



NASA SP-7039(23)

Section 2

Indexes

25

25th Anniversary
1958-1983

NASA PATENT ABSTRACTS BIBLIOGRAPHY



A CONTINUING BIBLIOGRAPHY

Section 2 • Indexes

JULY 1983

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BIBLIOGRAPHY. SECTION 2: INDEXES. A
CONTINUING BIBLIOGRAPHY (SUPPLEMENT 23)
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Unclas

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NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

ACCESSION NUMBER RANGES

<i>Bibliography Number</i>	<i>STAR Accession Numbers</i>
NASA SP-7039(04)	N69-20701 – N73-33931
NASA SP-7039(12)	N74-10001 – N77-34042
NASA SP-7039(13)	N78-10001 – N78-22018
NASA SP-7039(14)	N78-22019 – N78-34034
NASA SP-7039(15)	N79-10001 – N79-21993
NASA SP-7039(16)	N79-21994 – N79-34158
NASA SP-7039(17)	N80-10001 – N80-22254
NASA SP-7039(18)	N80-22255 – N80-34339
NASA SP-7039(19)	N81-10001 – N81-21997
NASA SP-7039(20)	N81-21998 – N81-34139
NASA SP-7039(21)	N82-10001 – N82-22140
NASA SP-7039(22)	N82-22141 – N82-34341
NASA SP-7039(23)	N83-10001 – N83-23266

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NASA SP-7039(23)
Section 2
Indexes

NASA

**PATENT
ABSTRACTS
BIBLIOGRAPHY**

A CONTINUING BIBLIOGRAPHY

Section 2 • Indexes

Indexes for the annotated references to NASA-owned inventions covered by U.S. patents and applications for patent that were announced in *Scientific and Technical Aerospace Reports (STAR)* between May 1969 and June 1983. This issue supersedes all previous Index Sections.



Scientific and Technical Information Branch

National Aeronautics and Space Administration

Washington, DC

1983

This supplement is available as NTISUB/111/093 from the National Technical Information Service (NTIS), Springfield, Virginia 22161 at the price of \$20.00 domestic; \$40.00 foreign for standing orders. Please note: Standing orders are subscriptions which do not terminate at the end of a year, as do regular subscriptions, but continue indefinitely unless specifically terminated by the subscriber.

INTRODUCTION

Several thousand inventions result each year from the aeronautical and space research supported by the National Aeronautics and Space Administration. The inventions having important use in government programs or significant commercial potential are usually patented by NASA. These inventions cover practically all fields of technology and include many that have useful and valuable commercial application.

NASA inventions best serve the interests of the United States when their benefits are available to the public. In many instances, the granting of nonexclusive or exclusive licenses for the practice of these inventions may assist in the accomplishment of this objective. This bibliography is published as a service to companies, firms, and individuals seeking new, licensable products for the commercial market.

The *NASA Patent Abstracts Bibliography (NASA PAB)* is a semiannual NASA publication containing comprehensive abstracts and indexes of NASA-owned inventions covered by U.S. patents and applications for patent. The citations included in *NASA PAB* were originally published in NASA's *Scientific and Technical Aerospace Reports (STAR)* and cover *STAR* announcements made since May 1969.

For the convenience of the user, each issue of *NASA PAB* has a separately bound Abstract Section (Section 1) and Index Section (Section 2). Although each Abstract Section covers only the indicated six-month period, the Index Section is cumulative covering all NASA-owned inventions announced in *STAR* since 1969. Thus a complete set of *NASA PAB* would consist of the Abstract Sections of Issue 04 (January 1974) and Issue 12 (January 1978) and the Abstract Section for all subsequent issues and the Index Section for the most recent issue.

The 129 citations published in this issue of the Abstract Section cover the period January 1983 through June 1983. The Index Section references over 4000 citations covering the period May 1969 through June 1983.

ABSTRACT SECTION (SECTION 1)

This *PAB* issue incorporates the 1975 *STAR* category revisions which include 10 major subdivisions divided into 74 specific categories and one general category/division. (See Table of Contents for the scope note of each category under which are grouped appropriate NASA inventions.) This new scheme was devised in lieu of the 34 category divisions which were utilized in *PAB* supplements (01) through (06) covering *STAR* abstracts from May 1969 through January 1974. Each entry in the Abstract Section consists of a *STAR* citation accompanied by an abstract and a key illustration taken from the patent or application for patent drawing. Entries are arranged in subject category in order of the ascending NASA Accession Number originally assigned in *STAR* to the invention. The range of NASA Accession Numbers within each issue is printed on the inside front cover.

Abstract Citation Data Elements: Each of the abstract citations has several data elements useful for identification and indexing purposes, as follows:

- NASA Accession Number
- NASA Case Number
- Inventor's Name
- Title of Invention
- U.S. Patent Application Serial Number
- U.S. Patent Number (for issued patents only)
- U.S. Patent Office Classification Number(s)
(for issued patents only)

These data elements in the citation of the abstract are depicted in the Typical Citation and Abstract reproduced on the following page and are also used in the indexes

TYPICAL CITATION AND ABSTRACT

NASA SPONSORED DOCUMENT → **N83-18025*** # National Aeronautics and Space Administration. Langley Research Center, Hampton, Va. → **SOURCE**

NASA ACCESSION NUMBER → **CHALCOGENOPHOSPHATE PHOTOELECTRODES Patent Application**

TITLE → Benjamin Reichman (Christopher Newport Coll.) and Charles E. Byvik, inventors (to NASA) Filed 7 Oct. 1982 14 p (NASA-Case-LAR-12958-1; US-Patent-Appl-SN-433196) Avail: → **US PATENT APPLICATIONS SERIAL NUMBER**

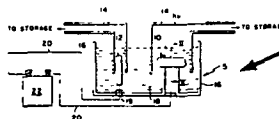
INVENTOR → NTIS HC A02/MF A01 CSCL 10A → **AVAILABILITY**

NASA CASE NUMBER →

ABSTRACT → A device for converting light energy into other forms of useful energy such as electrical or chemical energy is described. A photoelectrode is manufactured from a layered chalcogenophosphate (MPX₃) compound employed in a photoelectrochemical cell where M is selected from the group consisting of the transition metal series of elements beginning with scandium (atomic number 21) through germanium (atomic number 32), yttrium (atomic number 39) through antimony (atomic number 51), and lanthanum (atomic number 57) through polonium (atomic number 84); P is phosphorus; and X is selected from the chalcogenide series consisting of sulfur, selenium, and tellurium. The photoelectrochemical cell is comprised of a container which retains an acidic electrolyte solution, an MPX₃ photoelectrode, and a counterelectrode. In the preferred embodiment, the photoelectrochemical cell is set up as a photoelectrolysis cell. NASA

→ **COSATI CODE**

KEY ILLUSTRATION



INDEX SECTION (SECTION 2)

The Index Section is divided into five indexes which are cross-indexed and are useful in locating a single invention or groups of inventions.

Each of the five indexes utilizes basic data elements: (1) Subject Category Number, (2) NASA Accession Number, and (3) NASA Case Number, in addition to other specific index terms.

Subject Index: Lists all inventions according to appropriate alphabetized technical term and indicates the related NASA Case Number, the Subject Category Number, and the NASA Accession Number.

Inventor Index: Lists all inventions according to alphabetized names of inventors and indicates the related NASA Case Number, the Subject Category Number, and the NASA Accession Number.

Source Index: Lists all inventions according to alphabetized source of invention (i.e., name of contractor or government installation where invention was made) and indicates the related NASA Case Number, the Subject Category Number, and the NASA Accession Number.

Number Index: Lists inventions in order of ascending (1) NASA Case Number, (2) U.S. Patent Application Serial Number, (3) U.S. Patent Classification Number, and (4) U.S. Patent Number and indicates the related Subject Category Number and the NASA Accession Number.

Accession Number Index: Lists all inventions in order of ascending NASA Accession Number and indicates the related Subject Category Number, the NASA Case Number, the U.S. Patent Application Serial Number, the U.S. Patent Classification Number, and the U.S. Patent Number.

HOW TO USE THIS PUBLICATION TO IDENTIFY NASA INVENTIONS

To identify one or more NASA inventions within a specific technical field or subject, several techniques are possible when using the flexibility incorporated into the *NASA PAB*.

(1) *Using Subject Category:* To identify all NASA inventions in any one of the subject categories in this issue of *NASA PAB*, select the desired Subject Category in the Abstract Section (Section 1) and find the inventions abstracted thereunder.

(2) *Using Subject Index:* To identify all NASA inventions listed under a desired technical subject index term, (A) turn to the cumulative Subject Index in the Index Section and find the invention(s) listed under the desired technical subject term. (B) Note the indicated Accession Number and the Subject Category Number. (C) Using the indicated Accession Number, turn to the inside front cover of the Index Section to determine which issue of the Abstract Section includes the Accession Number desired. (D) To find the abstract of the particular invention in the issue of the Abstract Section selected, (i) use the Subject Category Number to locate the Subject Category and (ii) use the Accession Number to locate the desired invention within the Subject Category listing.

(3) *Using Patent Classification Index:* To identify all inventions covered by issued NASA patents (does not include applications for patent) within a desired Patent Classification, (A) turn to the Patent Classification Number in the Number Index of Section 2 and find the associated invention(s), and (B) follow the instructions outlined in (2)(B), and (D) above.

PUBLIC AVAILABILITY OF COPIES OF PATENTS AND PATENT APPLICATIONS

Copies of U.S. patents may be purchased directly from the U.S. Patent and Trademark Office, Washington, D.C. 20231, for fifty cents a copy. When ordering patents, the U.S. Patent Number should be used, and payment must be remitted in advance, preferably by money order or check payable to the Commissioner of Patents and Trademarks. Prepaid purchase coupons for ordering are also available from the Patent and Trademark Office.

NASA patent application specifications are sold in paper copy by the National Technical Information Service at price code A02 (\$7.00 domestic; \$14.00 foreign). Microfiche are sold at price code A01 (\$4.50 domestic; \$9.00 foreign). The US-Patent-Appl-SN-number should be used in ordering either paper copy or microfiche from NTIS.

LICENSES FOR COMMERCIAL USE: INQUIRIES AND APPLICATIONS FOR LICENSE

NASA inventions, abstracted in *NASA PAB*, are available for nonexclusive or exclusive licensing in accordance with the NASA Patent Licensing Regulations. It is significant that all licenses for NASA inventions shall be by express written instruments and that no license will be granted or implied in a NASA invention except as provided in the NASA Patent Licensing Regulations.

Inquiries concerning the NASA Patent Licensing Program or the availability of licenses for the commercial use of NASA-owned inventions covered by U.S. patents or pending applications for patent should be forwarded to the NASA Patent Counsel of the NASA installation having cognizance of the specific invention, or the Assistant General Counsel for Patent Matters, Code GP-4, National Aeronautics and Space Administration, Washington, D.C. 20546. Inquiries should refer to the NASA Case Number, the Title of the Invention, and the U.S. Patent Number or the U.S. Application Serial Number assigned to the invention as shown in *NASA PAB*.

The NASA Patent Counsel having cognizance of the invention is determined by the first three letters or prefix of the NASA Case Number assigned to the invention. The addresses of NASA Patent Counsels are listed alongside the NASA Case Number prefix letters in the following table. Formal application of license must be submitted on the NASA Form, Application for NASA Patent License, which is available upon request from any NASA Patent Counsel.

**NASA Case
Number
Prefix Letters**

**Address of Cognizant
NASA Patent Counsel**

ARC-xxxxx
XAR-xxxxx

Ames Research Center
Mail Code: 200-11A
Moffett Field, California 94035
Telephone: (415)965-5104

ERC-xxxxx
XER-xxxxx
HQN-xxxxx
XHQ-xxxxx

NASA Headquarters
Mail Code: GP-4
Washington, D.C. 20546
Telephone: (202)755-3954

GSC-xxxxx
XGS-xxxxx

Goddard Space Flight Center
Mail Code: 204
Greenbelt, Maryland 20771
Telephone: (301)344-7351

KSC-xxxxx
XKS-xxxxx

John F. Kennedy Space Center
Mail Code: PT-PAT
Kennedy Space Center, Florida 32899
Telephone: (305)867-2544

LAR-xxxxx
XLA-xxxxx

Langley Research Center
Mail Code: 279
Hampton, Virginia 23365
Telephone: (804)827-8725

LEW-xxxxx
XLE-xxxxx

Lewis Research Center
Mail Code: 500-318
21000 Brookpark Road
Cleveland, Ohio 44135
Telephone: (216)433-6346

MSC-xxxxx
XMS-xxxxx

Lyndon B. Johnson Space Center
Mail Code: AL3
Houston, Texas 77058
Telephone: (713)483-4871

MFS-xxxxx
XMF-xxxxx

George C. Marshall Space Flight Center
Mail Code: CC01
Huntsville, Alabama 35812
Telephone: (205)453-0020

NPO-xxxxx
XNP-xxxxx
FRC-xxxxx
XFR-xxxxx
WOO-xxxxx

NASA Resident Legal Office
Mail Code: 180-801
4800 Oak Grove Drive
Pasadena, California 91103
Telephone: (213)354-2700

PATENT LICENSING REGULATIONS

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

14 CFR Part 1245

Licensing of NASA Inventions

AGENCY: National Aeronautics and Space Administration.

ACTION: Interim regulation with comments requested.

SUMMARY: The National Aeronautics and Space Administration (NASA) is revising its patent licensing regulations to conform with Pub. L. 96-517. This interim regulation provides policies and procedures applicable to the licensing of federally owned inventions in the custody of the National Aeronautics and Space Administration, and implements Pub. L. 96-517. The object of this subpart is to use the patent system to promote the utilization of inventions arising from NASA supported research and development.

EFFECTIVE DATE: July 1, 1981. Comments must be received in writing by December 2, 1981. Unless a notice is published in the *Federal Register* after the comment period indicating changes to be made, this interim regulation shall become a final regulation.

ADDRESS: Mr. John G. Mannix, Director of Patent Licensing, GP-4, NASA, Washington, D.C. 20546

FOR FURTHER INFORMATION CONTACT: Mr. John G. Mannix, (202) 755-3954

SUPPLEMENTARY INFORMATION:

PART 1245—PATENTS AND OTHER INTELLECTUAL PROPERTY RIGHTS

Subpart 2 of Part 1245 is revised to read as follows:

Subpart 2—Licensing of NASA Inventions

Sec.

- 1245.200 Scope of subpart.
- 1245.201 Policy and objective.
- 1245.202 Definitions.
- 1245.203 Authority to grant licenses.

Restrictions and Conditions

- 1245.204 All licenses granted under this subpart.

Types of Licenses

- 1245.205 Nonexclusive licenses.
- 1245.206 Exclusive and partially exclusive licenses.

Procedures

- 1245.207 Application for a license.
- 1245.208 Processing applications.
- 1245.209 Notice to Attorney General.
- 1245.210 Modification and termination of licenses.
- 1245.211 Appeals.
- 1245.212 Protection and administration of inventions.

1245.213 Transfer of custody.

1245.214 Confidentiality of information.

Authority: 35 U.S.C. Section 207 and 208, 94 Stat. 3023 and 3024.

Subpart 2—Licensing of NASA Inventions

§ 1245.200 Scope of subpart.

This subpart prescribes the terms, conditions, and procedures upon which a NASA invention may be licensed. It does not affect licenses which (a) were in effect prior to July 1, 1981; (b) may exist at the time of the Government's acquisition of title to the invention, including those resulting from the allocation of rights to inventions made under Government research and development contracts; (c) are the result of an authorized exchange of rights in the settlement of patent disputes; or (d) are otherwise authorized by law or treaty.

§ 1245.201 Policy and objective.

It is the policy and objective of this subpart to use the patent system to promote the utilization of inventions arising from NASA supported research and development.

§ 1245.202 Definitions.

(a) "Federally owned invention" means an invention, plant, or design which is covered by a patent, or patent application in the United States, or a patent, patent application, plant variety protection, or other form of protection, in a foreign country, title to which has been assigned to or otherwise vested in the United States Government.

(b) "Federal agency" means an executive department, military department, Government corporation, or independent establishment, except the Tennessee Valley Authority, which has custody of a Federally owned invention.

(c) "NASA Invention" means a Federally owned invention with respect to which NASA maintains custody and administration, in whole or in part, of the right, title, or interest in such invention on behalf of the United States Government.

(d) "Small business firm" means a small business concern as defined at section 2 of Pub. L. 85-536 (15 U.S.C. 632) and implementing regulations of the Administrator of the Small Business Administration. For the purpose of these regulations, the size standard for small business concerns involved in Government procurement, contained in 13 CFR 121.3-8, and in subcontracting, contained in 13 CFR 121.3-12, will be used.

(e) "Practical application" means to manufacture in the case of a composition or product, to practice in the case of a process or method, or to

operate in the case of a machine or system; and, in each case, under such conditions as to establish that the invention is being utilized and that its benefits are to the extent permitted by law or Government regulations available to the public on reasonable terms.

(f) "United States" means the United States of America, its territories and possessions, the District of Columbia, and the Commonwealth of Puerto Rico.

§ 1245.203 Authority to grant licenses.

NASA inventions shall be made available for licensing as deemed appropriate in the public interest. NASA may grant nonexclusive, partially exclusive, or exclusive licenses thereto under this subpart on inventions in its custody.

Restrictions and Conditions

§ 1245.204 All licenses granted under this subpart.

(a) *Restrictions.* (1) A license may be granted only if the applicant has supplied NASA with a satisfactory plan for development or marketing of the invention, or both, and with information about the applicant's capability to fulfill the plan.

(2) A license granting rights to use or sell under a NASA invention in the United States shall normally be granted only to a licensee who agrees that any products embodying the invention or produced through the use of the invention will be manufactured substantially in the United States.

(b) *Conditions.* Licenses shall contain such terms and conditions as NASA determines are appropriate for the protection of the interests of the Federal Government and the public and are not in conflict with law or this subpart. The following terms and conditions apply to any license:

(1) The duration of the license shall be for a period specified in the license agreement, unless sooner terminated in accordance with this subpart.

(2) The license may be granted for all or less than all fields of use of the invention or in specified geographical areas, or both.

(3) The license may extend to subsidiaries of the licensee or other parties if provided for in the license but shall be nonassignable without approval of NASA, except to the successor of that part of the licensee's business to which the invention pertains.

(4) The license may provide the licensee the right to grant sublicenses under the license, subject to the approval of NASA. Each sublicense shall make reference to the license, including the rights retained by the Government, and a copy of such

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sublicense shall be furnished to NASA.

(5) The license shall require the licensee to carry out the plan for development or marketing of the invention, or both, to bring the invention to practical application within a period specified in the license, and to continue to make the benefits of the invention reasonably accessible to the public.

(6) The license shall require the licensee to report periodically on the utilization or efforts at obtaining utilization that are being made by the licensee, with particular reference to the plan submitted.

(7) All licenses shall normally require royalties or other consideration.

(8) Where an agreement is obtained pursuant to § 1245.204(a)(2) that any products embodying the invention or produced through use of the invention will be manufactured substantially in the United States, the license shall recite such agreement.

(9) The license shall provide for the right of NASA to terminate the license, in whole or in part, if:

(i) NASA determines that the licensee is not executing the plan submitted with its request for a license and the licensee cannot otherwise demonstrate to the satisfaction of NASA that it has taken or can be expected to take within a reasonable time effective steps to achieve practical application of the invention;

(ii) NASA determines that such action is necessary to meet requirements for public use specified by Federal regulations issued after the date of the license and such requirements are not reasonably satisfied by the licensee;

(iii) The licensee has willfully made a false statement of or willfully omitted a material fact in the license application or in any report required by the license agreement; or

(iv) The licensee commits a substantial breach of a covenant or agreement contained in the license.

(10) The license may be modified or terminated, consistent with this subpart, upon mutual agreement of NASA and the licensee.

(11) Nothing relating to the grant of a license, nor the grant itself, shall be construed to confer upon any person any immunity from or defenses under the antitrust laws or from a charge of patent misuse, and the acquisition and use of rights pursuant to this subpart shall not be immunized from the operation of state or Federal law by reason of the source of the grant.

Types of Licenses

§ 1245.205 Nonexclusive licenses.

(a) *Availability of licenses.* Nonexclusive licenses may be granted under NASA inventions without publication of availability or notice of a prospective license.

(b) *Conditions.* In addition to the provisions of § 1245.204, the nonexclusive license may also provide that, after termination of a period specified in the license agreement, NASA may restrict the license to the fields of use or geographic areas, or both, in which the licensee has brought the invention to practical application and continues to make the benefits of the invention reasonably accessible to the public. However, such restriction shall be made only in order to grant an exclusive or partially exclusive license in accordance with this subpart.

§ 1245.206 Exclusive and partially exclusive licenses.

(a) *Domestic licenses.*

(1) *Availability of licenses.* Exclusive or partially exclusive licenses may be granted on NASA inventions: (i) 3 months after notice of the invention's availability has been announced in the *Federal Register*; or (ii) without such notice where NASA determines that expeditious granting of such a license will best serve the interests of the Federal Government and the public; and (iii) in either situation, specified in (a)(1)(i) or (ii) of this section only if:

(A) Notice of a prospective license, identifying the invention and the prospective licensee, has been published in the *Federal Register*, providing opportunity for filing written objections within a 60-day period;

(B) After expiration of the period in § 1245.206(a)(1)(iii)(A) and consideration of any written objections received during the period, NASA has determined that:

(1) The interests of the Federal Government and the public will best be served by the proposed license, in view of the applicant's intentions, plans, and ability to bring the invention to practical application or otherwise promote the invention's utilization by the public;

(2) The desired practical application has not been achieved, or is not likely expeditiously to be achieved, under any nonexclusive license which has been granted, or which may be granted, on the invention;

(3) Exclusive or partially exclusive licensing is a reasonable and necessary incentive to call forth the investment of risk capital and expenditures to bring the invention to practical application or

otherwise promote the invention's utilization by the public; and

(4) The proposed terms and scope of exclusivity are not greater than reasonably necessary to provide the incentive for bringing the invention to practical application or otherwise promote the invention's utilization by the public;

(C) NASA has not determined that the grant of such license will tend substantially to lessen competition or result in undue concentration in any section of the country in any line of commerce to which the technology to be licensed relates, or to create or maintain other situations inconsistent with the antitrust laws; and

(D) NASA has given first preference to any small business firms submitting plans that are determined by the agency to be within the capabilities of the firms and as equally likely, if executed, to bring the invention to practical application as any plans submitted by applicants that are not small business firms.

(2) *Conditions.* In addition to the provisions of § 1245.204, the following terms and conditions apply to domestic exclusive and partially exclusive licenses:

(i) The license shall be subject to the irrevocable, royalty-free right of the Government of the United States to practice and have practiced the invention on behalf of the United States and on behalf of any foreign government or international organization pursuant to any existing or future treaty or agreement with the United States.

(ii) The license shall reserve to NASA the right to require the licensee to grant sublicenses to responsible applicants, on reasonable terms, when necessary to fulfill health or safety needs.

(iii) The license shall be subject to any licenses in force at the time of the grant of the exclusive or partially exclusive license.

(iv) The license may grant the licensee the right of enforcement of the licensed patent pursuant to the provisions of Chapter 29 of Title 35, United States Code, or other statutes, as determined appropriate in the public interest.

(b) *Foreign licenses.*

(1) *Availability of licenses.* Exclusive or partially exclusive licenses may be granted on a NASA invention covered by a foreign patent, patent application, or other form of protection, provided that:

(i) Notice of a prospective license, identifying the invention and prospective licensee, has been published in the *Federal Register*, providing opportunity for filing written objections

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within a 60-day period and following consideration of such objections;

(ii) NASA has considered whether the interests of the Federal Government or United States industry in foreign commerce will be enhanced; and

(iii) NASA has not determined that the grant of such license will tend substantially to lessen competition or result in undue concentration in any section of the United States in any line of commerce to which the technology to be licensed relates, or to create or maintain other situations inconsistent with antitrust laws.

(2) *Conditions.* In addition to the provisions of § 1245.204, the following terms and conditions apply to foreign exclusive and partially exclusive licenses:

(i) The license shall be subject to the irrevocable, royalty-free right of the Government of the United States to practice and have practiced the invention on behalf of the United States and on behalf of any foreign government or international organization pursuant to any existing or future treaty or agreement with the United States.

(ii) The license shall be subject to any licenses in force at the time of the grant of the exclusive or partially exclusive license.

(iii) The license may grant the licensee the right to take any suitable and necessary actions to protect the licensed property, on behalf of the Federal Government.

(c) *Record of determinations.* NASA shall maintain a record of determinations to grant exclusive or partially exclusive licenses.

Procedures

§ 1245.207 Application for a license.

An application for a license should be addressed to the Patent Counsel at the NASA installation having responsibility for the invention and shall normally include:

(a) Identification of the invention for which the license is desired, including the patent application serial number or patent number, title, and date, if known;

(b) Identification of the type of license for which the application is submitted;

(c) Name and address of the person, company, or organization applying for the license and the citizenship or place of incorporation of the applicant;

(d) Name, address, and telephone number of representative of applicant to whom correspondence should be sent;

(e) Nature and type of applicant's business, identifying products or services which the applicant has successfully commercialized, and

approximate number of applicant's employees;

(f) Source of information concerning the availability of a license on the invention;

(g) A statement indicating whether applicant is a small business firm as defined in § 1245.202(c);

(h) A detailed description of applicant's plan for development or marketing of the invention, or both, which should include:

(1) A statement of the time, nature and amount of anticipated investment of capital and other resources which applicant believes will be required to bring the invention to practical application;

(2) A statement as to applicant's capability and intention to fulfill the plan, including information regarding manufacturing, marketing, financial, and technical resources;

(3) A statement of the fields of use for which applicant intends to practice the invention; and

(4) A statement of the geographic areas in which applicant intends to manufacture any products embodying the invention and geographic areas where applicant intends to use or sell the invention, or both;

(i) Identification of licenses previously granted to applicant under Federally owned inventions;

(j) A statement containing applicant's best knowledge of the extent to which the invention is being practiced by private industry or Government, or both, or is otherwise available commercially; and

(k) Any other information which applicant believes will support a determination to grant the license to applicant.

§ 1245.208 Processing applications.

(a) Applications for licenses will be initially reviewed by the Patent Counsel of the NASA installation having responsibility for the invention. The Patent Counsel shall make a preliminary recommendation to the Director of Licensing, NASA Headquarters, whether to: (1) grant the license as requested, (2) grant the license with modification after negotiation with the licensee, or (3) deny the license. The Director of Licensing shall review the preliminary recommendation of the Patent Counsel and make a final recommendation to the NASA Assistant General Counsel for Patent Matters. Such review and final recommendation may include, and be based on, any additional information obtained from applicant and other sources that the Patent Counsel and the Director of Licensing deem relevant to

the license requested. The determination to grant or deny the license shall be made by the Assistant General Counsel for Patent Matters based on the final recommendation of the Director of Licensing.

(b) When notice of a prospective exclusive or partially exclusive license is published in the Federal Register in accordance with § 1245.206(a)(1)(iii)(A) or § 1245.206(b)(1)(i), any written objections received in response thereto will be considered by the Director of Licensing in making the final recommendation to the Assistant General Counsel for Patent Matters.

(c) If the requested license, including any negotiated modifications, is denied by the Assistant General Counsel for Patent Matters, the applicant may request reconsideration by filing a written request for reconsideration within 30 days after receiving notice of denial. This 30-day period may be extended for good cause.

(d) In addition to, or in lieu of requesting reconsideration, the applicant may also appeal the denial of the license in accordance with § 1245.211.

§ 1245.209 Notice to Attorney General.

A copy of the notice provided for in §§ 1245.206(a)(1)(iii)(A), and 1245.206(b)(1)(i) will be sent to the Attorney General.

§ 1245.210 Modification and termination of licenses.

Before modifying or terminating a license, other than by mutual agreement, NASA shall furnish the licensee and any sublicensee of record a written notice of intention to modify or terminate the license, and the licensee and any sublicensee shall be allowed 30 days after such notice to remedy any breach of the license or show cause why the license should not be modified or terminated.

§ 1245.211 Appeals.

(a) The following parties may appeal to the NASA Administrator or designee any decision or determination concerning the grant, denial, interpretation, modification, or termination of a license:

(1) A person whose application for a license has been denied;

(2) A licensee whose license has been modified or terminated, in whole or in part; or

(3) A person who timely filed a written objection in response to the notice required by §§ 1245.206(a)(1)(iii)(A) or

PATENT LICENSING REGULATIONS

1245.208(b)(1)(i) and who can demonstrate to the satisfaction of NASA that such person may be damaged by the Agency action.

(b) Written notice of appeal must be filed within 30 days (or such other time as may be authorized for good cause shown) after receiving notice of the adverse decision or determination; including, an adverse decision following the request for reconsideration under § 1245.208(c). The notice of appeal, along with all supporting documentation should be addressed to the Administrator, National Aeronautics and Space Administration, Washington, DC 20546. Should the appeal raise a genuine dispute over material facts, fact-finding will be conducted by the NASA Inventions and Contributions Board. The person filing the appeal shall be

afforded an opportunity to be heard and to offer evidence in support of the appeal. The Chairperson of the Inventions and Contributions Board shall prepare written findings of fact and transmit them to the Administrator or designee. The decision on the appeal shall be made by the NASA Administrator or designee. There is no further right of administrative appeal from the decision of the Administrator or designee.

§ 1245.212 Protection and administration of inventions.

NASA may take any suitable and necessary steps to protect and administer rights to NASA inventions, either directly or through contract.

§ 1245.213 Transfer of custody.

NASA having custody of certain Federally owned inventions may transfer custody and administration in whole or in part, to another Federal agency, of the right, title, or interest in any such invention.

§ 1245.214 Confidentiality of information.

Title 35, United States Code, section 209, provides that any plan submitted pursuant to § 1245.207(h) and any report required by § 1245.204(b)(6) may be treated by NASA as commercial and financial information obtained from a person and privileged and confidential and not subject to disclosure under section 552 of Title 5 of the United States Code.

James M. Beggs,
Administrator.

October 15, 1981.

[FR Doc. 81-31009 Filed 10-30-81. 8:45 am]

BILLING CODE 7510-01-M

FOREIGN PATENT LICENSING REGULATIONS

Selected NASA inventions are also available for licensing in countries other than the United States in accordance with the NASA Foreign Patent Licensing Regulation (14 C.F.R. 1245.4), a copy of which is available from any NASA Patent Counsel. For abstracts of NASA-owned inventions available for licensing in countries other than the United States, see NASA SP-7038, "Significant NASA Inventions Available for Licensing in Countries Other Than the United States." A copy of this NASA publication is available from NASA Headquarters, Code GP-4, Washington, D.C., 20546

Subject Categories

(1969 - 1973)

01 Aerodynamics

Includes aerodynamics of bodies, combinations, internal flow in ducts and turbomachinery; wings, rotors, and control surfaces. For applications see: 02 Aircraft and 32 Space Vehicles. For related information see also: 12 Fluid Mechanics; and 33 Thermodynamics and Combustion.

02 Aircraft

Includes fixed-wing airplanes, helicopters, gliders, balloons, ornithopters, etc.; and specific types of complete aircraft (e.g., ground effect machines, STOL, and VTOL); flight tests; operating problems (e.g., sonic boom); safety and safety devices; economics; and stability and control. For basic research see: 01 Aerodynamics. For related information see also: 31 Space Vehicles; and 32 Structural Mechanics.

03 Auxiliary Systems

Includes fuel cells, energy conversion cells, and solar cells, auxiliary gas turbines; hydraulic, pneumatic and electrical systems; actuators; and inverters. For related information see also: 09 Electronic Equipment; 22 Nuclear Engineering, and 28 Propulsion Systems.

04 Biosciences

Includes aerospace medicine, exobiology, radiation effects on biological systems; physiological and psychological factors. For related information see also: 05 Biotechnology.

05 Biotechnology

Includes life support systems, human engineering, protective clothing and equipment; crew training and evaluation, and piloting. For related information see also: 04 Biosciences.

06 Chemistry

Includes chemical analysis and identification (e.g., spectroscopy). For applications see: 17 Materials, Metallic, 18 Materials, Nonmetallic; and 27 Propellants.

07 Communications

Includes communications equipment and techniques; noise; radio and communications blackout; modulation telemetry, tracking radar and optical observation; and wave propagation. For basic research see: 23 Physics, General; and 21 Navigation.

08 Computers

Includes computer operation and programming; and data processing. For applications, see specific categories. For related information see also: 19 Mathematics.

09 Electronic Equipment

Includes electronic test equipment and maintainability; component parts, e.g., electron tubes, tunnel diodes, transistors, integrated circuitry; microminiaturization. For basic research see: 10 Electronics. For related information see also: 07 Communications and 21 Navigation.

10 Electronics

Includes circuit theory, and feedback and control theory. For applications see: 09 Electronic Equipment. For related information see specific Physics categories.

11 Facilities, Research and Support

Includes airports; lunar and planetary bases including associated vehicles; ground support systems; related logistics; simulators; test facilities (e.g., rocket engine test stands, shock tubes, and wind tunnels); test ranges; and tracking stations.

12 Fluid Mechanics

Includes boundary-layer flow; compressible flow; gas dynamics; hydrodynamics; and turbulence. For related information see also: 01 Aerodynamics; and 33 Thermodynamics and Combustion.

13 Geophysics

Includes aeronomy; upper and lower atmosphere studies; oceanography; cartography; and geodesy. For related information see also: 20 Meteorology; 29 Space Radiation; and 30 Space Sciences.

14 Instrumentation and Photography

Includes design, installation, and testing of instrumentation systems; gyroscopes; measuring instruments and gages; recorders, transducers; aerial photography; and telescopes and cameras.

15 Machine Elements and Processes

Includes bearings, seals, pumps, and other mechanical equipment; lubrication, friction, and wear; manufacturing processes and quality control; reliability; drafting; and materials fabrication, handling, and inspection.

16 Masers

Includes applications of masers and lasers. For basic research see: 26 Physics, Solid-State.

17 Materials, Metallic

Includes cermets; corrosion; physical and mechanical properties of materials; metallurgy; and applications as structural materials. For basic research see: 06 Chemistry. For related information see also: 18 Materials, Nonmetallic, and 32 Structural Mechanics.

18 Materials, Nonmetallic

Includes corrosion; physical and mechanical properties of materials (e.g., plastics); and elastomers, hydraulic fluids, etc. For basic research see: 06 Chemistry. For related information see also: 17 Materials, Metallic; 27 Propellants; and 32 Structural Mechanics.

19 Mathematics

Includes calculation methods and theory, and numerical analysis. For applications see specific categories. For related information see also: 08 Computers.

20 Meteorology

Includes climatology; weather forecasting; and visibility studies. For related information see also: 13 Geophysics; and 30 Space Sciences

21 Navigation

Includes guidance, autopilots; star and planet tracking, inertial platforms; and air traffic control. For related information see also: 07 Communications

22 Nuclear Engineering

Includes nuclear reactors and nuclear heat sources used for propulsion and auxiliary power. For basic research see 24 Physics, Atomic, Molecular, and Nuclear. For related information see also: 03 Auxiliary Systems, and 28 Propulsion Systems.

23 Physics, General

Includes acoustics, cryogenics, mechanics, and optics. For astrophysics see: 30 Space Sciences. For geophysics and related information see also: 13 Geophysics, 20 Meteorology, and 29 Space Radiation

24 Physics, Atomic, Molecular, and Nuclear

Includes atomic, molecular and nuclear physics. For applications see: 22 Nuclear Engineering. For related information see also: 29 Space Radiation

25 Physics, Plasma

Includes magnetohydrodynamics. For applications see 28 Propulsion Systems.

26 Physics, Solid-State

Includes semiconductor theory; and superconductivity. For applications see 16 Masers. For related information see also: 10 Electronics

27 Propellants

Includes fuels; igniters; and oxidizers. For basic research see 06 Chemistry; and 33 Thermodynamics and Combustion. For related information see also 28 Propulsion Systems

28 Propulsion Systems

Includes air breathing, electric, liquid, solid, and magnetohydrodynamic propulsion. For nuclear propulsion see: 22 Nuclear Engineering. For basic research see: 23 Physics, General; and 33 Thermodynamics and Combustion. For applications see 31 Space Vehicles. For related information see also 27 Propellants.

29 Space Radiation

Includes cosmic radiation; solar flares; solar radiation; and Van Allen radiation belts. For related information see also: 13 Geophysics, and 24 Physics, Atomic, Molecular, and Nuclear.

30 Space Sciences

Includes astronomy and astrophysics; cosmology, lunar and planetary flight and exploration; and theoretical analysis of orbits and trajectories. For related information see also: 11 Facilities, Research and Support; and 31 Space Vehicles.

31 Space Vehicles

Includes launch vehicles; manned space capsules, clustered and multistage rockets; satellites; sounding rockets and probes; and operating problems. For basic research see: 30 Space Sciences. For related information see also: 28 Propulsion Systems; and 32 Structural Mechanics.

32 Structural Mechanics

Includes structural element design and weight analysis; fatigue; thermal stress; impact phenomena; vibration, flutter; inflatable structures; and structural tests. For related information see also: 17 Materials, Metallic; and 18 Materials, Nonmetallic.

33 Thermodynamics and Combustion

Includes ablation, cooling, heating, heat transfer, thermal balance, and other thermal effects; and combustion theory. For related information see also: 12 Fluid Mechanics; and 27 Propellants.

34 General

Includes information of a broad nature related to industrial applications and technology, and to basic research; defense aspects; information retrieval; management; law and related legal matters; and legislative hearings and documents.

TABLE OF CONTENTS

Section 1 • Abstracts

Subject Categories (1974 -)

AERONAUTICS

Includes aeronautics (general), aerodynamics, air transportation and safety, aircraft communications and navigation, aircraft design, testing and performance, aircraft instrumentation, aircraft propulsion and power, aircraft stability and control, and research and support facilities (air)

For related information see also *Astronautics*

01 AERONAUTICS (GENERAL)

02 AERODYNAMICS

Includes aerodynamics of bodies, combinations, wings, rotors, and control surfaces, and internal flow in ducts and turbomachinery

For related information see also *34 Fluid Mechanics and Heat Transfer*

03 AIR TRANSPORTATION AND SAFETY

Includes passenger and cargo air transport operations, and aircraft accidents

For related information see also *16 Space Transportation* and *85 Urban Technology and Transportation*

04 AIRCRAFT COMMUNICATIONS AND NAVIGATION

Includes digital and voice communication with aircraft, air navigation systems (satellite and ground based), and air traffic control.

For related information see also *17 Spacecraft Communications, Command and Tracking* and *32 Communications*

05 AIRCRAFT DESIGN, TESTING AND PERFORMANCE

Includes aircraft simulation technology

For related information see also *18 Spacecraft Design, Testing and Performance* and *39 Structural Mechanics*

06 AIRCRAFT INSTRUMENTATION

Includes cockpit and cabin display devices, and flight instruments

For related information see also *19 Spacecraft Instrumentation* and *35 Instrumentation and Photography*

07 AIRCRAFT PROPULSION AND POWER

Includes prime propulsion systems and systems components, e.g., gas turbine engines and compressors, and on-board auxiliary power plants for aircraft

For related information see also *20 Spacecraft Propulsion and Power*, *28 Propellants and Fuels*, and *44 Energy Production and Conversion*

08 AIRCRAFT STABILITY AND CONTROL

Includes aircraft handling qualities, piloting; flight controls, and autopilots

09 RESEARCH AND SUPPORT FACILITIES (AIR)

Includes airports, hangars and runways, aircraft repair and overhaul facilities, wind tunnels, shock tube facilities, and engine test blocks

For related information see also *14 Ground Support Systems and Facilities (Space)*

ASTRONAUTICS

Includes astronautics (general), astrodynamics, ground support systems and facilities (space), launch vehicles and space vehicles; space transportation, spacecraft communications, command and tracking, spacecraft design, testing and performance, spacecraft instrumentation; and spacecraft propulsion and power

For related information see also *Aeronautics*

12 ASTRONAUTICS (GENERAL)

For extraterrestrial exploration see *91 Lunar and Planetary Exploration*

13 ASTRODYNAMICS

Includes powered and free-flight trajectories, and orbit and launching dynamics

14 GROUND SUPPORT SYSTEMS AND FACILITIES (SPACE)

Includes launch complexes, research and production facilities, ground support equipment, e.g., mobile transporters, and simulators

For related information see also *09 Research and Support Facilities (Air)*

15 LAUNCH VEHICLES AND SPACE VEHICLES

Includes boosters, manned orbital laboratories, reusable vehicles, and space stations

16 SPACE TRANSPORTATION

Includes passenger and cargo space transportation, e.g., shuttle operations, and rescue techniques

For related information see also *03 Air Transportation and Safety* and *85 Urban Technology and Transportation*

17 SPACECRAFT COMMUNICATION, COMMAND AND TRACKING

Includes telemetry; space communications networks, astronavigation, and radio blackout

For related information see also *04 Aircraft Communications and Navigation* and *32 Communications*

18 SPACECRAFT DESIGN, TESTING AND PERFORMANCE

Includes spacecraft thermal and environmental control, and attitude control

For life support systems see *54 Man/System Technology and Life Support* For related information see also *05 Aircraft Design, Testing and Performance* and *39 Structural Mechanics*

19 SPACECRAFT INSTRUMENTATION

For related information see also *06 Aircraft Instrumentation* and *35 Instrumentation and Photography*

20 SPACECRAFT PROPULSION AND POWER

Includes main propulsion systems and components, e.g., rocket engines; and spacecraft auxiliary power sources.

For related information see also *07 Aircraft Propulsion and Power*, *28 Propellants and Fuels*, and *44 Energy Production and Conversion*

CHEMISTRY AND MATERIALS

Includes chemistry and materials (general), composite materials, inorganic and physical chemistry, metallic materials, nonmetallic materials, and propellants and fuels

23 CHEMISTRY AND MATERIALS (GENERAL)

Includes biochemistry and organic chemistry

24 COMPOSITE MATERIALS

Includes laminates.

25 INORGANIC AND PHYSICAL CHEMISTRY

Includes chemical analysis, e.g., chromatography, combustion theory, electrochemistry, and photochemistry

For related information see also 77 *Thermodynamics and Statistical Physics*

26 METALLIC MATERIALS

Includes physical, chemical, and mechanical properties of metals, e.g., corrosion, and metallurgy

27 NONMETALLIC MATERIALS

Includes physical, chemical, and mechanical properties of plastics, elastomers, lubricants, polymers, textiles, adhesives, and ceramic materials

28 PROPELLANTS AND FUELS

Includes rocket propellants, igniters, and oxidizers, storage and handling, and aircraft fuels

For related information see also 07 *Aircraft Propulsion and Power*, 20 *Spacecraft Propulsion and Power*, and 44 *Energy Production and Conversion*

ENGINEERING

Includes engineering (general), communications, electronics and electrical engineering, fluid mechanics and heat transfer; instrumentation and photography, lasers and masers, mechanical engineering, quality assurance and reliability, and structural mechanics

For related information see also *Physics*

31 ENGINEERING (GENERAL)

Includes vacuum technology, control engineering, display engineering, and cryogenics

32 COMMUNICATIONS

Includes land and global communications, communications theory, and optical communications

For related information see also 04 *Aircraft Communications and Navigation* and 17 *Spacecraft Communications, Command and Tracking*

33 ELECTRONICS AND ELECTRICAL ENGINEERING

Includes test equipment and maintainability, components, e.g., tunnel diodes and transistors, micro-miniaturization, and integrated circuitry

For related information see also 60 *Computer Operations and Hardware* and 76 *Solid-State Physics*

34 FLUID MECHANICS AND HEAT TRANSFER

Includes boundary layers, hydrodynamics, fluidics, mass transfer, and ablation cooling

For related information see also 02 *Aerodynamics* and 77 *Thermodynamics and Statistical Physics*

35 INSTRUMENTATION AND PHOTOGRAPHY

Includes remote sensors, measuring instruments and gages, detectors; cameras and photographic supplies, and holography

For aerial photography see 43 *Earth Resources* For related information see also 06 *Aircraft Instrumentation* and 19 *Spacecraft Instrumentation*

36 LASERS AND MASERS

Includes parametric amplifiers

37 MECHANICAL ENGINEERING

Includes auxiliary systems (non-power), machine elements and processes, and mechanical equipment

38 QUALITY ASSURANCE AND RELIABILITY

Includes product sampling procedures and techniques, and quality control

39 STRUCTURAL MECHANICS

Includes structural element design and weight analysis, fatigue, and thermal stress

For applications see 05 *Aircraft Design, Testing and Performance* and 18 *Spacecraft Design, Testing and Performance*

GEOSCIENCES

Includes geosciences (general), earth resources, energy production and conversion, environment pollution, geophysics, meteorology and climatology, and oceanography

For related information see also *Space Sciences*

42 GEOSCIENCES (GENERAL)

43 EARTH RESOURCES

Includes remote sensing of earth resources by aircraft and spacecraft, photogrammetry; and aerial photography

For instrumentation see 35 *Instrumentation and Photography*

44 ENERGY PRODUCTION AND CONVERSION

Includes specific energy conversion systems, e.g., fuel cells and batteries, global sources of energy; fossil fuels, geophysical conversion, hydroelectric power; and wind power

For related information see also 07 *Aircraft Propulsion and Power*, 20 *Spacecraft Propulsion and Power*, 28 *Propellants and Fuels*, and 85 *Urban Technology and Transportation*

45 ENVIRONMENT POLLUTION

Includes air, noise, thermal and water pollution, environment monitoring, and contamination control

46 GEOPHYSICS

Includes aeronomy, upper and lower atmosphere studies, ionospheric and magnetospheric physics, and geomagnetism

For space radiation see 93 *Space Radiation*

47 METEOROLOGY AND CLIMATOLOGY

Includes weather forecasting and modification

48 OCEANOGRAPHY

Includes biological, dynamic and physical oceanography, and marine resources

LIFE SCIENCES

Includes sciences (general); aerospace medicine; behavioral sciences; man/system technology and life support, and planetary biology

51 LIFE SCIENCES (GENERAL)

Includes genetics.

52 AEROSPACE MEDICINE

Includes physiological factors; biological effects of radiation; and weightlessness

53 BEHAVIORAL SCIENCES

Includes psychological factors, individual and group behavior, crew training and evaluation; and psychiatric research

54 MAN/SYSTEM TECHNOLOGY AND LIFE SUPPORT

Includes human engineering, biotechnology; and space suits and protective clothing

55 PLANETARY BIOLOGY

Includes exobiology; and extraterrestrial life

MATHEMATICAL AND COMPUTER SCIENCES

Includes mathematical and computer sciences (general); computer operations and hardware; computer programming and software; computer systems; cybernetics; numerical analysis; statistics and probability; systems analysis; and theoretical mathematics

59 MATHEMATICAL AND COMPUTER SCIENCES (GENERAL)

60 COMPUTER OPERATIONS AND HARDWARE

Includes computer graphics and data processing
For components see *33 Electronics and Electrical Engineering*.

61 COMPUTER PROGRAMMING AND SOFTWARE

Includes computer programs, routines, and algorithms.

62 COMPUTER SYSTEMS

Includes computer networks

63 CYBERNETICS

Includes feedback and control theory.
For related information see also *54 Man/System Technology and Life Support*

64 NUMERICAL ANALYSIS

Includes iteration, difference equations, and numerical approximation.

65 STATISTICS AND PROBABILITY

Includes data sampling and smoothing; Monte Carlo method; and stochastic processes.

66 SYSTEMS ANALYSIS

Includes mathematical modeling; network analysis; and operations research.

67 THEORETICAL MATHEMATICS

Includes topology and number theory

PHYSICS

Includes physics (general), acoustics, atomic and molecular physics, nuclear and high-energy physics; optics, plasma physics; solid-state physics; and thermodynamics and statistical physics.

For related information see also *Engineering*

70 PHYSICS (GENERAL)

For geophysics see *46 Geophysics* For astrophysics see *90 Astrophysics* For solar physics see *92 Solar Physics*

71 ACOUSTICS

Includes sound generation, transmission, and attenuation.

For noise pollution see *45 Environment Pollution*

72 ATOMIC AND MOLECULAR PHYSICS

Includes atomic structure and molecular spectra

73 NUCLEAR AND HIGH-ENERGY PHYSICS

Includes elementary and nuclear particles; and reactor theory.

For space radiation see *93 Space Radiation*

74 OPTICS

Includes light phenomena.

75 PLASMA PHYSICS

Includes magnetohydrodynamics and plasma fusion

For ionospheric plasmas see *46 Geophysics*. For space plasmas see *90 Astrophysics*

76 SOLID-STATE PHYSICS

Includes superconductivity.

For related information see also *33 Electronics and Electrical Engineering* and *36 Lasers and Masers*

77 THERMODYNAMICS AND STATISTICAL PHYSICS

Includes quantum mechanics; and Bose and Fermi statistics

For related information see also *25 Inorganic and Physical Chemistry* and *34 Fluid Mechanics and Heat Transfer*.

SOCIAL SCIENCES

Includes social sciences (general); administration and management; documentation and information science; economics and cost analysis; law and political science; and urban technology and transportation.

80 SOCIAL SCIENCES (GENERAL)

Includes educational matters

81 ADMINISTRATION AND MANAGEMENT

Includes management planning and research.

**82 DOCUMENTATION AND
INFORMATION SCIENCE**

Includes information storage and retrieval technology, micrography, and library science

For computer documentation see *61 Computer Programming and Software*

83 ECONOMICS AND COST ANALYSIS

Includes cost effectiveness studies

84 LAW AND POLITICAL SCIENCE

Includes space law, international law, international cooperation, and patent policy

**85 URBAN TECHNOLOGY AND
TRANSPORTATION**

Includes applications of space technology to urban problems, technology transfer, technology assessment, and surface and mass transportation

For related information see *03 Air Transportation and Safety*, *16 Space Transportation*, and *44 Energy Production and Conversion*

SPACE SCIENCES

Includes space sciences (general), astronomy, astrophysics, lunar and planetary exploration, solar physics, and space radiation

For related information see also *Geosciences*

88 SPACE SCIENCES (GENERAL)

89 ASTRONOMY

Includes radio and gamma-ray astronomy, celestial mechanics, and astrometry

90 ASTROPHYSICS

Includes cosmology, and interstellar and interplanetary gases and dust

**91 LUNAR AND PLANETARY
EXPLORATION**

Includes planetology, and manned and unmanned flights

For spacecraft design see *18 Spacecraft Design, Testing and Performance* For space stations see *15 Launch Vehicles and Space Vehicles*

92 SOLAR PHYSICS

Includes solar activity, solar flares, solar radiation and sunspots

93 SPACE RADIATION

Includes cosmic radiation, and inner and outer earth's radiation belts

For biological effects of radiation see *52 Aerospace Medicine* For theory see *73 Nuclear and High-Energy Physics*

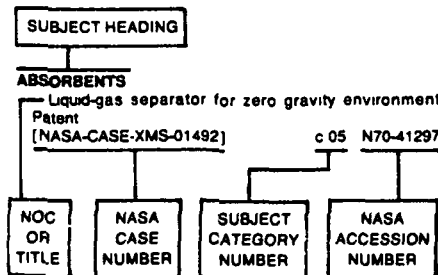
GENERAL

99 GENERAL

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Typical Subject Index Listing



The subject heading is the key to the subject content of the document. A brief description of the document, e.g., title, title plus a title extension, or Notation of Content (NOC), is included for each subject entry to indicate the subject heading context; these descriptions are arranged under each subject heading in ascending accession number order. The NASA Case Number serves as the prime access number to the patent documents. The Subject Category Number indicates the category in Section 1 (Abstracts) in which the patent citation and abstract are located. The NASA accession number denotes the number by which the citation is identified within the subject category

A

ABERRATION

High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N82-24973

ABILITIES

Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280

ABLATION

Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02877] c 31 N70-42075

Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925

Hypersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475

Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586

Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991

Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911

ABLATIVE MATERIALS

Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322

Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975

Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672

Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623

Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02008] c 33 N71-20834

Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100

Stand-off type ablative heat shield
[NASA-CASE-MSC-12143-1] c 33 N72-17947

Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911

Ablative system
[NASA-CASE-LEW-10359-2] c 33 N73-25952

Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796

Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652

Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290

Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180

Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376

Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389

ABORT APPARATUS

Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846

ABRASION

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

ABRASION RESISTANCE

Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581

Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854

Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371

Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238

Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N82-24344

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Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297

Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967

Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390

Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086

Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 52 N82-26960

ABSORBERS (EQUIPMENT)

Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362

ABSORBERS (MATERIALS)

Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462

Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13481

Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185

Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051

Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

Electromagnetic power absorber
[NASA-CASE-NPO-13630-1] c 32 N80-14281

ABSORPTION

Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867

ABSORPTION CROSS SECTIONS

Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348

ABSORPTION SPECTRA

Stark effect spectrophone for continuous absorption spectra monitoring --- a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N82-26652

ABSORPTIVITY

Detector absorptivity measuring method and apparatus
[NASA-CASE-LAR-10907-1] c 35 N76-29551

AC GENERATORS

Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468

Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890

Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443

ACCELERATION

Single gnd accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699

ACCELERATION (PHYSICS)

Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815

Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196

Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881

Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169

G-load measuring and indicator apparatus --- for aircraft
[NASA-CASE-ARC-10806] c 06 N74-27872

Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597

G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381

Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

ACCELERATION PROTECTION

Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819

G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268

ACCELERATION STRESSES (PHYSIOLOGY)

Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881

ACCELERATION TOLERANCE

Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185

ACCELERATORS

Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071

Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417

ACCELEROMETERS

Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969

Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627

Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265

Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410

Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094

Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347

ACCEPTABILITY

Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395

ACCEPTOR MATERIALS

ACCEPTOR MATERIALS

III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409

ACCIDENT PREVENTION

CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040

ACCUMULATORS

Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319
Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747
Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208
Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444
Unne collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
Unne collection apparatus — feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763
Multistage depressed collector for dual mode operation — for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415

ACETALS

Synthesis of polymers schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243

ACETATES

Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228

ACETYLENE

Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups — thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N82-26463

ACOUSTIC ATTENUATION

Ultrasonic calibration device — for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432

ACOUSTIC DUCTS

Noise suppressor — for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418

ACOUSTIC IMPEDANCE

Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 71 N83-15044

ACOUSTIC LEVITATION

Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N81-27887
Systems for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N82-11861
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N82-12889
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475
Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
Contactless pellet fabrication — targets for inertial confinement fusion
[NASA-CASE-NPO-15592-1] c 31 N83-17746
Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890

ACOUSTIC MEASUREMENT

Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232
Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867
Pseudo continuous wave instrument — ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390
System for monitoring physical characteristics of fluids — acoustic techniques
[NASA-CASE-NPO-15400-1] c 34 N81-24384

ACOUSTIC PROPAGATION

Material suspension within an acoustically excited resonant chamber — at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
Resolution enhanced sound detecting apparatus
[NASA-CASE-NPO-14134-1] c 71 N79-23753

Acoustic bubble removal
[NASA-CASE-NPO-15334-1] c 37 N82-22497

ACOUSTIC PROPERTIES

Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
Pseudo continuous wave instrument — ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390

ACOUSTIC HOLOGRAPHY

Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447

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Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416

ACOUSTO-OPTICS

Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411
Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
Stark effect spectrophone for continuous absorption spectra monitoring — a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N82-26652
Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589

ACRYLATES

Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032

ACRYLIC RESINS

Method of carbonizing polyacrylonitrile fibers and resulting product
[NASA-CASE-ARC-11261-1] c 24 N81-29164

ACRYLONITRILES

Method of carbonizing polyacrylonitrile fibers and resulting product
[NASA-CASE-ARC-11261-1] c 24 N81-29164

ACTIVATED CARBON

Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634

ACTIVATION ENERGY

Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034

ACTIVE CONTROL

Linear magnetic bearings — active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469

ACTUATOR DISKS

Cryogenic gyroscope housing — with annular disks for gas spin-up
[NASA-CASE-MFS-21136-1] c 35 N74-18323

ACTUATORS

Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185
Bimetallic power controlled actuator
[NASA-CASE-NPO-09776] c 09 N69-39929
Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667
Hermetically sealed explosive release mechanism Patent
[NASA-CASE-XGS-00824] c 15 N71-16078
Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635
Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195
Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456
Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371

Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477
Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467
Manual actuator — for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127
Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458
Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426
Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Electrical servo actuator bracket — fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N82-18203
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N82-20545
Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205
Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N82-26780
Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153

ADAPTERS

Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474

ADAPTIVE CONTROL

Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633
Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N81-31480
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N81-31481
Apparatus for damping operator induced oscillations of a controlled system — flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493

ADAPTIVE FILTERS

Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
Apparatus for damping operator induced oscillations of a controlled system — flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493

ADAPTIVE OPTICS

Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900

ADDING CIRCUITS

Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787
Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843

ADDITION RESINS

Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229

ADDITIVES

Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634
Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715

ADDRESSING

Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N82-11785

SUBJECT INDEX

ADENOSINE TRIPHOSPHATE

Use of the enzyme hexokinase for the reduction of inherent light levels

[NASA-CASE-XGS-05533] c 04 N69-27487

Light detection instrument Patent

[NASA-CASE-XGS-05534] c 23 N71-16355

Lyophilized reaction mixtures Patent

[NASA-CASE-XGS-05532] c 06 N71-17705

Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions

[NASA-CASE-GSC-11169-2] c 05 N73-32011

Application of luciferase assay for ATP to antimicrobial drug susceptibility

[NASA-CASE-GSC-12039-1] c 51 N77-22794

ADHESION

Stud-bonding gun

[NASA-CASE-MFS-20299] c 15 N72-11392

Improved refractory coatings — sputtered coatings on substrates that form stable nitrides

[NASA-CASE-LEW-23169-2] c 26 N81-16209

Refractory coatings

[NASA-CASE-LEW-13169-2] c 26 N82-30371

ADHESION TESTS

Apparatus for the determination of the existence or non-existence of a bonding between two members Patent

[NASA-CASE-MFS-13686] c 15 N71-18132

High performance filletting sealant

[NASA-CASE-ARC-11409-1] c 27 N82-32490

ADHESIVE BONDING

Solar cell mounting Patent

[NASA-CASE-XNP-00826] c 03 N71-20895

Honeycomb panel and method of making same Patent

[NASA-CASE-XMF-01402] c 18 N71-21651

Etching of aluminum for bonding Patent

[NASA-CASE-XMF-02303] c 17 N71-23828

Method and apparatus for attaching physiological monitoring electrodes Patent

[NASA-CASE-XFR-07658-1] c 05 N71-26293

Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide

[NASA-CASE-GSC-11577-1] c 37 N75-15992

Weld-bonded titanium structures

[NASA-CASE-LAR-11549-1] c 37 N77-11397

Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement

[NASA-CASE-NPO-13764-1] c 27 N78-17215

Thermal barrier coating system

[NASA-CASE-LEW-12554-1] c 34 N78-18355

Thermal insulation attaching means — adhesive bonding of felt vibration insulators under ceramic tiles

[NASA-CASE-MSC-12619-2] c 27 N79-12221

Surface finishing

[NASA-CASE-MSC-12631-3] c 27 N81-14077

Thermal barrier coating system having improved adhesion

[NASA-CASE-LEW-13359-1] c 27 N81-24265

Method of bonding plasticized elastomer to metal and articles produced thereby

[NASA-CASE-MFS-25181-1] c 27 N82-24340

ADHESIVES

Polyimide adhesives

[NASA-CASE-LAR-11397-1] c 27 N75-29263

Polyimide adhesives

[NASA-CASE-LAR-12181-1] c 27 N78-17205

Crystalline polyimides — reinforcing fibers for high temperature composites and adhesives as well as flame retardation

[NASA-CASE-LAR-12099-1] c 27 N80-16158

Aluminum ion-containing polyimide adhesives

[NASA-CASE-LAR-12640-1] c 27 N82-11206

Elastomer toughened polyimide adhesives

[NASA-CASE-LAR-12775-1] c 27 N82-25384

Thermal protection system

[NASA-CASE-MSC-18796-1] c 24 N82-26389

Hot melt recharge system

[NASA-CASE-LAR-12881-1] c 27 N82-26464

Procedure for internally mounting strain gauges

[NASA-CASE-GSC-12824-1] c 35 N83-13424

ADJUSTING

Instrument support with precise lateral adjustment Patent

[NASA-CASE-XMF-00480] c 14 N70-39898

Fine adjustment mount

[NASA-CASE-MFS-20249] c 15 N72-11386

Adjustable support

[NASA-CASE-NPO-10721] c 15 N72-27484

Clock setter

[NASA-CASE-LAR-11458-1] c 35 N76-16392

AERIAL RUDDERS

Thrust augmented spin recovery device

[NASA-CASE-LAR-11870-2] c 08 N81-19130

AEROACOUSTICS

Acoustically swept rotor — helicopter noise reduction

[NASA-CASE-ARC-11106-1] c 05 N80-14107

AERODYNAMIC BALANCE

Apparatus for and method of compensating dynamic unbalance

[NASA-CASE-GSC-12550-1] c 37 N81-22358

AERODYNAMIC BRAKES

Annular supersonic decelerator or drogue Patent

[NASA-CASE-XLE-00222] c 02 N70-37939

Lightweight, variable solidity knitted parachute fabric — for aerodynamic decelerators

[NASA-CASE-LAR-10776-1] c 02 N74-10034

AERODYNAMIC CHARACTERISTICS

Variable sweep wing aircraft Patent

[NASA-CASE-XLA-00221] c 02 N70-33266

Flight craft Patent

[NASA-CASE-XAC-02058] c 02 N71-16087

Space shuttle vehicle and system

[NASA-CASE-MSC-12433] c 31 N73-14854

Airfoil shape for flight at subsonic speeds — design analysis and aerodynamic characteristics of the GAW-1 airfoil

[NASA-CASE-LAR-10585-1] c 02 N76-22154

Curved centerline air intake for a gas turbine engine

[NASA-CASE-LEW-13201-1] c 07 N81-14999

AERODYNAMIC COEFFICIENTS

Leading edge flap system for aircraft control augmentation

[NASA-CASE-LAR-12787-1] c 05 N82-25240

AERODYNAMIC CONFIGURATIONS

Variable-span aircraft Patent

[NASA-CASE-XLA-00166] c 02 N70-34178

Landing arrangement for aenal vehicle Patent

[NASA-CASE-XLA-00806] c 02 N70-34858

Space capsule Patent

[NASA-CASE-XLA-00149] c 31 N70-37938

Hypersonic reentry vehicle Patent

[NASA-CASE-XMS-04142] c 31 N70-41631

Translating horizontal tail Patent

[NASA-CASE-XLA-08801-1] c 02 N71-11043

Variable geometry manned orbital vehicle Patent

[NASA-CASE-XLA-03691] c 31 N71-15674

Nacelle afterbody for jet engines Patent

[NASA-CASE-XLA-10450] c 28 N71-21493

Variable geometry rotor system

[NASA-CASE-LAR-10557] c 02 N72-11018

Ferry system

[NASA-CASE-LAR-10574-1] c 11 N73-13257

Multistage aerospace craft — perspective drawings of conceptual design

[NASA-CASE-XMF-02263] c 05 N74-10907

Supersonic fan blading — noise reduction in turbofan engines

[NASA-CASE-LEW-11402-1] c 07 N74-28226

Free wing assembly for an aircraft

[NASA-CASE-FRC-10092-1] c 05 N79-12061

AERODYNAMIC DRAG

Skin friction measuring device for aircraft

[NASA-CASE-FRC-11029-1] c 06 N81-17057

AERODYNAMIC HEATING

Heat protection apparatus Patent

[NASA-CASE-XLA-00892] c 33 N71-17897

Heat flux measuring system Patent

[NASA-CASE-XFR-03802] c 33 N71-23085

Stand-off type ablative heat shield

[NASA-CASE-MSC-12143-1] c 33 N72-17947

AERODYNAMIC LOADS

Propeller blade loading control Patent

[NASA-CASE-XAC-00139] c 02 N70-34856

Means for controlling aerodynamically induced twist

[NASA-CASE-LAR-12175-1] c 05 N82-28279

AERODYNAMIC NOISE

Apparatus for reducing aerodynamic noise in a wind tunnel

[NASA-CASE-MFS-23099-1] c 09 N76-23273

Acoustically swept rotor — helicopter noise reduction

[NASA-CASE-ARC-11106-1] c 05 N80-14107

Curved centerline air intake for a gas turbine engine

[NASA-CASE-LEW-13201-1] c 07 N81-14999

AERODYNAMIC STABILITY

Meteorological balloon Patent

[NASA-CASE-XMF-04163] c 02 N71-23007

Instrument for measuring the dynamic behavior of liquids Patent

[NASA-CASE-XLA-05541] c 12 N71-26387

Emergency earth orbital escape device

[NASA-CASE-MSC-13281] c 31 N72-18859

High lift aircraft — with improved stability, control, performance, and noise characteristics

[NASA-CASE-LAR-11252-1] c 05 N75-25914

Hingeless helicopter rotor with improved stability

[NASA-CASE-ARC-10807-1] c 05 N77-17029

Annular wing

[NASA-CASE-FRC-11007-2] c 05 N82-26277

Aeroelastic instability stoppers for wind tunnel models

[NASA-CASE-LAR-12720-1] c 44 N83-21504

AERODYNAMIC STALLING

Aerodynamic side-force alleviator means

[NASA-CASE-LAR-12326-1] c 02 N81-14968

AEROELASTICITY

Aeroelastic instability stoppers for wind tunnel models

[NASA-CASE-LAR-12458-1] c 44 N83-21503

Aeroelastic instability stoppers for wind tunnel models

[NASA-CASE-LAR-12720-1] c 44 N83-21504

AERONAUTICAL ENGINEERING

Differential pressure cell Patent

[NASA-CASE-XAC-00042] c 14 N70-34816

AEROSOLS

Liquid aerosol dispenser

[NASA-CASE-MFS-20829] c 12 N72-21310

Particulate and aerosol detector

[NASA-CASE-LAR-11434-1] c 35 N76-22509

Thermoluminescent aerosol analysis

[NASA-CASE-LAR-12046-1] c 25 N78-15210

Particle analyzing method and apparatus

[NASA-CASE-NPO-15292-1] c 45 N83-18089

AEROSPACE ENGINEERING

Solar cell including second surface mirrors Patent

[NASA-CASE-NPO-10109] c 03 N71-11049

Metallic film diffusion for boundary lubrication Patent

[NASA-CASE-XLE-10337] c 15 N71-24046

Soldering device Patent

[NASA-CASE-XLA-08911] c 15 N71-27214

Installing fiber insulation

[NASA-CASE-MSC-16973-1] c 37 N81-14317

AEROSPACE ENVIRONMENTS

Electrostatic thruster with improved insulators Patent

[NASA-CASE-XLE-01902] c 28 N71-10574

Metallic film diffusion for boundary lubrication Patent

[NASA-CASE-XLE-01765] c 18 N71-10772

Inorganic solid film lubricants Patent

[NASA-CASE-XMF-03988] c 15 N71-21403

Particle detection apparatus including a ballistic pendulum Patent

[NASA-CASE-XMS-04201] c 14 N71-22990

Alloys for bearings Patent

[NASA-CASE-XLE-05033] c 15 N71-23810

Method and apparatus for varying thermal conductivity Patent

[NASA-CASE-XNP-05524] c 33 N71-24876

Space simulator Patent

[NASA-CASE-NPO-10141] c 11 N71-24964

Cyclic switch Patent

[NASA-CASE-LEW-10155-1] c 09 N71-29035

Automatic bioassess sampling

[NASA-CASE-MSC-14640-1] c 54 N76-14804

Wobble gear drive mechanism — for aerospace environments

[NASA-CASE-WOO-00625] c 37 N78-17385

Plasma cleaning device — designed for high vacuum environments

[NASA-CASE-MFS-22906-1] c 75 N78-27913

Process for spinning flame retardant elastomeric compositions — fabricating synthetic fibers for high oxygen environments

[NASA-CASE-MSC-14331-3] c 27 N78-32262

General purpose rocket furnace

[NASA-CASE-MFS-23460-1] c 12 N79-26075

Hot melt recharge system

[NASA-CASE-LAR-12881-1] c 27 N82-26464

AEROSPACE MEDICINE

Instrument for use in performing a controlled Valsalva maneuver Patent

[NASA-CASE-XMS-01615] c 05 N70-41329

Cooling system for removing metabolic heat from an hermetically sealed spacesuit

[NASA-CASE-ARC-11059-1] c 54 N78-32721

AEROSPACE VEHICLES

Landing arrangement for aenal vehicles Patent

[NASA-CASE-XLA-00142] c 02 N70-33286

Landing pad assembly for aerospace vehicles Patent

[NASA-CASE-XMF-02853] c 31 N70-36654

Landing arrangement for aerospace vehicle Patent

[NASA-CASE-XLA-00805] c 31 N70-38010

Flexibly connected support and skin Patent

[NASA-CASE-XLA-01027] c 31 N71-24035

Nondestructive

AGGLOMERATION

AGGLOMERATION

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087

AGING (MATERIALS)

Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236

AGRICULTURE

Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701

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Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809

AIR

Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710

AIR BREATHING ENGINES

Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800

AIR CONDITIONING

Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583
Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776

AIR CONDITIONING EQUIPMENT

Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902

AIR COOLING

Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264

AIR FILTERS

Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457

AIR FLOW

Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915
Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144
Air conditioning system and component therefore distributing air flow from opposite directions
[NASA-CASE-GSC-11445-1] c 31 N74-27902
Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456
Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366

AIR INTAKES

Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
Reversed cow flap inlet thrust augmentor --- with adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999

AIR JETS

Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 34 N82-20465
Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N82-33567

AIR LOCKS

Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968
Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
An airlock
[NASA-CASE-MFS-20922] c 31 N72-20840
Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136

Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900

AIR NAVIGATION

Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047

AIR POLLUTION

Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
Method for detecting pollutants --- through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Coal desulfurization process
[NASA-CASE-LAR-13937-1] c 44 N78-31527
Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 45 N83-18089

AIR PURIFICATION

High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280

AIR SAMPLING

Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401
Mobile sampler for use in acquiring samples of terrestrial atmospheric gasses
[NASA-CASE-NPO-15220-1] c 35 N81-24414
Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407

AIR TRAFFIC CONTROL

Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080

AIRBORNE EQUIPMENT

Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
AIRBORNE/SPACEBORNE COMPUTERS
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914

AIRCRAFT

System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483
Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391

AIRCRAFT ACCIDENTS

Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948

AIRCRAFT ANTENNAS

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

AIRCRAFT COMPARTMENTS

Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

AIRCRAFT CONFIGURATIONS

Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

AIRCRAFT CONSTRUCTION MATERIALS

Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525

AIRCRAFT CONTROL

Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038
Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570
Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809
Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595
Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004
Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914
Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106
Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152
Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N82-26260
Hinged strake aircraft control system
[NASA-CASE-LAR-12860-1] c 05 N82-26278

AIRCRAFT DESIGN

Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
Multistage aerospace craft --- perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907
High lift aircraft --- with improved stability, control, performance, and noise characteristics
[NASA-CASE-LAR-11252-1] c 05 N75-25914
Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217
Supersonic transport --- using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32086
Helicopter rotor airfoil
[NASA-CASE-LAR-12396-1] c 02 N79-24958

AIRCRAFT DETECTION

Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211
Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296

AIRCRAFT ENGINES

Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418
Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

AIRCRAFT EQUIPMENT

Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
Air speed and attitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036
Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075

AIRCRAFT FUEL SYSTEMS

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467

AIRCRAFT GUIDANCE

Terminal guidance system --- for guiding aircraft into
preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420
Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231

AIRCRAFT HAZARDS

Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788

AIRCRAFT HYDRAULIC SYSTEMS

Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793
Hydraulic actuator mechanism to control aircraft spoiler
movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

AIRCRAFT INSTRUMENTS

Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807
Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
Combined optical attitude and altitude indicating
instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
Head-up attitude display
[NASA-CASE-FRC-10392] c 21 N73-14692
G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381
Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114
Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

AIRCRAFT LANDING

Landing arrangement for aenal vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
Vehicle simulator binocular multiplanar visual display
system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
Full color hybrid display for aircraft simulators --- landing
aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
Environmental fog/rain visual display system for aircraft
simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212

AIRCRAFT LAUNCHING DEVICES

Rotating launch device for a remotely piloted aircraft
[NASA-CASE-ARC-10979-1] c 09 N77-19076

AIRCRAFT MANEUVERS

G-load measuring and indicator apparatus
[NASA-CASE-ARC-10806-1] c 35 N75-29381

AIRCRAFT MODELS

Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926
Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246
Deploy/release system --- model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014

AIRCRAFT NOISE

Instrumentation for measuring aircraft noise and sonic
boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232

AIRCRAFT PERFORMANCE

Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257

AIRCRAFT PILOTS

Apparatus for applying simulator g-forces to an arm of
an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597

AIRCRAFT SAFETY

Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807
Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643
Deployable flexible ventral fins for use as an emergency
spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
Variable response load limiting device --- for aircraft
seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

AIRCRAFT STABILITY

Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004

AIRCRAFT STRUCTURES

Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
Transparent fire resistant polymers structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001
Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737

AIRCRAFT TIRES

Improved tire/wheel concept --- pneumatic aircraft tire
[NASA-CASE-LAR-11695-2] c 37 N80-18402
Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443

AIRCRAFT WAKES

System for use in conducting wake investigation for a
wing in flight --- differential pressure measurements for
drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300

AIRFOIL PROFILES

Family of airfoil shapes for rotating blades --- for
increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

AIRFOILS

Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411
Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077

AIRFRAMES

Dual-fuselage aircraft having yawable wing and
horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005
Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 03 N81-29107

AIRSPEED

Landing arrangement for aenal vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
Apparatus for measuring an aircraft's speed and
height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
Air speed and altitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036

ALCOHOLS

Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440

ALDEHYDES

Direct synthesis of polymers schiff bases from two
amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
Azine polymers and process for preparing the same
Patent
[NASA-CASE-XMF-08656] c 08 N71-11242
Aromatic diamine-aromatic dialdehyde high molecular
weight Schiff base polymers prepared in a monofunctional
Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
Nuclear alkylated pyridine aldehyde polymers and
conductive compositions thereof
[NASA-CASE-NPO-10557] c 27 N78-17214
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Polyvinyl alcohol cross-linked with 2 aldehydes
[NASA-CASE-LEW-13524-1] c 27 N83-15465

ALIGNMENT

Instrument support with precise lateral adjustment
Patent
[NASA-CASE-XMF-00480] c 14 N70-39898
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
Trigonometric vehicle guidance assembly which aligns
the three perpendicular axes of two three-axes systems
Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798
Method and apparatus for aligning a laser beam projector
Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379
Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893

Alignment apparatus using a laser having a
gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
Spacecraft docking and alignment system --- using
television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
Method of constructing dished ion thruster grids to
provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
Rotary target V-block --- aligning wind tunnel apparatus
for optical measurement
[NASA-CASE-LAR-12007-2] c 74 N79-25876

ALIPHATIC COMPOUNDS

The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for
their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

ALKALI HALIDES

Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N82-12168

ALKALI METALS

Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Analytical test apparatus and method for determining
oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183
Heat activated cell with alkali anode and alkali salt
electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
Preparation of alkali metal dispersions
[NASA-CASE-XNP-08876] c 17 N73-28573
Process for preparing higher oxides of the alkali and
alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
Alkali-metal silicate binders and methods of
manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N82-12168
Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596

ALKALINE BATTERIES

Method for determining the state of charge of batteries
by the use of tracers Patent
[NASA-CASE-XNP-01464] c 03 N71-10728
Electrochemical coulometer and method of forming
same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597
Polyvinyl alcohol battery separator containing inert filler
--- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Alkaline battery containing a separator of a cross-linked
copolymer of vinyl alcohol and unsaturated carboxylic
acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
Process of treating cellulosic membrane and alkaline
with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline batteries and method of making
same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric cells and method of
making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of
making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
Aqueous alkali metal hydroxide insoluble cellulose ether
membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

ALKALINE EARTH OXIDES

Process for preparing higher oxides of the alkali and
alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229

ALKYL COMPOUNDS

Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603

ALKYNES

- High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

ALLOYS

- Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Adjustable mount for a trihedral mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Enhanced diffusion welding
[NASA-CASE-LEW-11388-1] c 15 N73-32358
Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

ALPHA PARTICLES

- Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334

ALPHANUMERIC CHARACTERS

- X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517

ALTERNATING CURRENT

- Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
Pulse width inverter Patent
[NASA-CASE-MFS-10058] c 10 N71-25139
Inverter with means for base current shaping for sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
Phase protection system for ac power lines
[NASA-CASE-MS-C-17832-1] c 33 N74-14956
Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542
Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
Energy saving electrical motor control system
[NASA-CASE-MFS-25560-1] c 33 N82-30472

ALTIMETERS

- Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

ALTITUDE

- Combined optical altitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268

ALTITUDE CONTROL

- Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925

ALUMINUM

- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
Method of making enif cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
Method of fluxless brazing and diffusion bonding of aluminum containing components
[NASA-CASE-MS-C-14435-1] c 37 N76-18455
Method of making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119

- Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629
High performance filletting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490

ALUMINUM ALLOYS

- Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MS-C-19693-1] c 26 N78-24333
Nickel ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505

ALUMINUM COATINGS

- Nickel aluminate coated low alloy stainless steel
[NASA-CASE-LEW-11267-1] c 17 N73-32414
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
Method of protecting the surface of a substrate -- by applying aluminate coating
[NASA-CASE-LEW-11696-1] c 37 N75-13261
Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408
Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
Method of protecting a surface with a silicon-slurry/aluminate coating -- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525

ALUMINUM COMPOUNDS

- Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N82-12168

ALUMINUM OXIDES

- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143
Castable high temperature refractory materials
[NASA-CASE-LEW-13080-2] c 27 N82-11210

ALUMINUM SILICATES

- Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184

AMIDES

- Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
Preparation of perfluorinated imidoylamidoximes -- for eventual preparation of heat and chemical resistant polymers
[NASA-CASE-ARC-11267-1] c 23 N80-26386
Method for preparing addition type polyimide prepolymers
[NASA-CASE-LAR-12054-2] c 27 N81-14078

AMINES

- Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N82-10227
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353

AMINO ACIDS

- Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

AMMONIA

- Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578

AMMONIUM NITRATES

- High performance ammonium nitrate propellant
[NASA-CASE-NPO-14280-1] c 28 N79-28342

AMMONIUM PERCHLORATES

- Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471

AMORPHOUS MATERIALS

- Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890

AMPLIFICATION

- Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39988
Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11258
High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410
Pseudonoise code tracking loop
[NASA-CASE-MS-C-18035-1] c 32 N81-15179

AMPLIFIER DESIGN

- Automatic gain control system
[NASA-CASE-XMS-05307] c 09 N69-24330
Bio-isolated dc operational amplifier -- for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N81-32391
High power metallic halide laser -- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
Reactanceless bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N83-12333

AMPLIFIERS

- Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185
High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
Full wave modulator-demodulator amplifier apparatus -- for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
Reflected-wave maser -- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
Inductorless narrow-band filter/amplifier
[NASA-CASE-GSC-12410-1] c 33 N79-24260
Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360

AMPLITUDE DISTRIBUTION ANALYSIS

- System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659

AMPLITUDE MODULATION

- Analog-to-digital converter
[NASA-CASE-NPO-00477] c 08 N73-28045
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
Amplitude modulated laser transmitter Patent
[NASA-CASE-XMS-04269] c 16 N71-22895
Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021
Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
Stark-effect modulation of CO2 laser with NH2D
[NASA-CASE-NPO-11945-1] c 36 N76-18427

Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N81-31481

AMPLITUDES
Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844
A dual differential interferometer
[NASA-CASE-LAR-12966-1] c 71 N83-12969

AMPOULES
Apparatus and method for heating a material in a transparent ampoule — crystal growth
[NASA-CASE-MFS-25436-1] c 76 N81-30012
Ampoule sealing apparatus and process — for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633

ANALGESIA
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

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Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
Continuous Fourier transform method and apparatus — for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539
Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
Tuned analog network — bandpass filter networks
[NASA-CASE-GSC-12650-1] c 33 N82-10324

ANALOG COMPUTERS
Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172

ANALOG DATA
Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
Analog Signal to Discrete Time Interval Converter (ASDTIC)
[NASA-CASE-ERC-10048] c 09 N72-25251
Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396

ANALOG SIMULATION
Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913

ANALOG TO DIGITAL CONVERTERS
Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
Analog to digital converter Patent
[NASA-CASE-XLA-00670] c 08 N71-12501
Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594
Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899
Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544
Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991
Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200
Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163
Analog-to-digital converter analyzing system
[NASA-CASE-NPO-10560] c 08 N72-22166
Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226
Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175
Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045
Analog to digital converter
[NASA-CASE-NPO-13385-1] c 33 N76-18345
Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731
Electrochemical detection device — for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073

Heads up display
[NASA-CASE-LAR-12630-1] c 06 N82-29319
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238

ANALYZERS
Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
Cosmic dust analyzer
[NASA-CASE-MSC-13802-2] c 35 N76-15431
Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400

ANEMOMETERS
Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
Maxometers (peak wind speed anemometers)
[NASA-CASE-MFS-20916] c 14 N73-25460
A radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N83-14863

ANGIOGRAPHY
Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724

ANGLE OF ATTACK
Angle detector
[NASA-CASE-ARC-11036-1] c 35 N78-32395
Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

ANGLES (GEOMETRY)
Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693
Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813

ANGULAR ACCELERATION
Angular accelerometer Patent
[NASA-CASE-XMS-05936] c 14 N70-41682

ANGULAR CORRELATION
Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490

ANGULAR DISTRIBUTION
Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138

ANGULAR MOMENTUM
Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016
Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152

ANGULAR RESOLUTION
Angular measurement system Patent
[NASA-CASE-XMF-00447] c 14 N70-33179

ANGULAR VELOCITY
Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 35 N81-12386
Speed control device for a heavy duty shaft — solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364

ANHYDRIDES
Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides — flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515

ANILINE
Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230

ANIMALS
Automatic real-time par-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778
Tread drum for animals — having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733

ANISOTROPIC MEDIA
Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188

ANNEALING
Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062
CDS solid state phase insensitive ultrasonic transducer — annealing cadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559

ANNULAR NOZZLES
Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213

ANNULAR PLATES
Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360

ANNULI
A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633

ANODES
Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
Storage battery comprising negative plates of a wedge shaped configuration — for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693
Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473
Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699
Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330
Ion sputter textured graphite — anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903

ANODIC COATINGS
Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
Variable anodic thermal control coating
[NASA-CASE-LAR-12719-1] c 26 N82-31508

ANODIZING
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397

ANTENNA ARRAYS
Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
Multiple input radio receiver Patent
[NASA-CASE-XLA-00901] c 07 N71-10775
Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
Antenna array phase quadrature tracking system Patent
[NASA-CASE-MSC-12205-1] c 07 N71-27056
Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
Tnaxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809
Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
Position determination systems — using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250
Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391

RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594

Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264

Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210

Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578

Frequency translating phase conjugation circuit for active retrodirective antenna array — microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185

Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187

Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308

Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336

Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15406-1] c 33 N82-12345

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593

Electronic consscanning spacecraft communication system
[NASA-CASE-NPO-15899-1] c 32 N83-19970

ANTENNA COMPONENTS

Digital servo controller — for rotating antenna shaft
[NASA-CASE-KSC-10769-1] c 33 N74-29556

Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

ANTENNA COUPLERS

Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

ANTENNA DESIGN

Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750

Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984

Antenna array phase quadrature tracking system Patent
[NASA-CASE-MSC-12205-1] c 07 N71-27056

Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HON-00937] c 07 N71-28979

Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980

Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235

Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117

Dish antenna having switchable beamwidth — with truncated concave ellipsoid subreflector
[NASA-CASE-GSC-11760-1] c 33 N75-19516

Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330

Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365

Furlable antenna — antenna design
[NASA-CASE-NPO-13553-1] c 33 N76-32457

Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539

Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

ANTENNA FEEDS

Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285

Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396

Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235

Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013

Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000

High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863

Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329

Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321

Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261

Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278

Unequal split microwave power divider
[NASA-CASE-LAR-12889-1] c 33 N81-31483

Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 32 N82-10287

Microwave switching power divider — antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340

Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593

ANTENNA RADIATION PATTERNS

Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462

Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907

Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804

High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101

Triaxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809

Lightning tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110

Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365

Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187

Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15406-1] c 33 N82-12345

Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593

ANTENNAS

Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102

High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101

Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191

Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127

Antenna grout replacement system
[NASA-CASE-NPO-15205-1] c 37 N81-19457

Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568

Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157

ANTIBIOTICS

Determination of antimicrobial susceptibilities on infected urnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

ANTIFRICTION BEARINGS

Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997

Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189

High speed hybrid bearing comprising a fluid bearing and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359

Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383

Method of making bearing materials — self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916

Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482

ANTIGRAVITY

Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789

ANTIHISTAMINICS

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613

Indomethacin-antihistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

ANTIREFLECTION COATINGS

Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580

Broadband optical radiation detector
[NASA-CASE-14864-1] c 74 N83-19597

ANVILS

Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446

APERTURES

Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618

Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254

On-film optical recording of camera lens settings
[NASA-CASE-MSC-12363-1] c 14 N73-26431

Method of forming aperture plate for electron microscope
[NASA-CASE-ARC-10448-2] c 74 N75-12732

Method of making an apertured casting — using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570

Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408

Heat reflecting field stop
[NASA-CASE-LAR-12443-1] c 74 N82-19030

APOLLO PROJECT

Space suit
[NASA-CASE-MSC-12609-1] c 05 N73-32012

APOLLO SPACECRAFT

Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679

Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450

APPLICATIONS OF MATHEMATICS

Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437

APPROACH

Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059

AQUATIC PLANTS

Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335

AQUEOUS SOLUTIONS

Anti-fog composition — for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834

Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245

Method for separating biological cells — suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715

Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237

Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516

Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MSC-16497-1] c 25 N82-12166

Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441

Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371

ARC DISCHARGES

Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486

Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693

Method and apparatus for nondestructive testing — using high frequency arc discharges
[NASA-CASE-MFS-21233-1] c 38 N74-15395

Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385

ARC HEATING

Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540

Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628

Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071

ARC JET ENGINES

Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760

ARC LAMPS

Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540

Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315

Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316

Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386

Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238

Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330

ARC WELDING

- Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
- Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433
- Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486
- Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815
- Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683

ARCHITECTURE

- Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921

ARCHITECTURE (COMPUTERS)

- Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N79-27864
- Distributed multipoint memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-18290

ARM (ANATOMY)

- Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
- Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616
- Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551

ARMATURES

- Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
- Solenoid valve including guide for armature and valve member
[NASA-CASE-GSC-10607-1] c 15 N72-20442
- Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
- Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- Linear magnetic bearings --- active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469
- Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332
- Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N83-13460

AROMATIC COMPOUNDS

- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
- Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
- Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
- Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

ARRAYS

- Radio frequency arraying method for receivers
[NASA-CASE-NPO-14328-1] c 32 N80-18253
- Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659

ARTERIES

- Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566

ARTIFICIAL CLOUDS

- Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097

ARTIFICIAL GRAVITY

- Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
- Artificial gravity spin deployment system Patent
[NASA-CASE-XNP-02595] c 31 N71-21881
- Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750

ARTIFICIAL INTELLIGENCE

- Tactile sensing system --- manipulator controllers
[NASA-CASE-NPO-15094-1] c 33 N81-16386

ARTIFICIAL SATELLITES

- Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324

ASBESTOS

- Reconstituted asbestos matrix --- for use in fuel or electrolysis cells
[NASA-CASE-MSC-12568-1] c 24 N76-14204

ASPECT RATIO

- Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
- Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
- Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011

ASPHALT

- Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228

ASSAYING

- Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N78-22585

ASSEMBLIES

- Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
- Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
- Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- Unitary seal ring assembly --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N82-25517

ASTRONAUT LOCOMOTION

- Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776
- Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
- Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
- Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
- Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
- Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
- Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
- Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651

ASTRONAUT MANEUVERING EQUIPMENT

- Hand-held self-maneuvering unit Patent
[NASA-CASE-XMS-05304] c 05 N71-12336
- Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
- Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585

ASTRONAUT PERFORMANCE

- Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
- Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735

ASTRONAUT TRAINING

- Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
- Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
- Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474

ASTRONAUTS

- Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171
- Manual actuator --- for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127

ASTRONAVIGATION

- Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621

ASTRONOMICAL PHOTOGRAPHY

- Apparatus for photographing meteors
[NASA-CASE-LAR-10226-1] c 14 N73-19419

ASTRONOMICAL TELESCOPES

- Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
- Method and apparatus for aligning a laser beam projector
[NASA-CASE-NPO-11087] c 23 N71-29125
- Star image motion compensator
[NASA-CASE-LAR-10523-1] c 14 N72-22444
- Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969

ASYMMETRY

- Asymmetric polyimide separation membrane and method
[NASA-CASE-NPO-15431-1] c 25 N81-29178
- Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 27 N82-28444

ATMOSPHERIC COMPOSITION

- Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
- Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
- Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284

- Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

- Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 35 N81-24414

ATMOSPHERIC DENSITY

- System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15531-2] c 06 N83-17536

ATMOSPHERIC ENTRY

- Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087
- Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563
- Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015

ATMOSPHERIC ENTRY SIMULATION

- Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
- Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436

ATMOSPHERIC PHYSICS

- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318

ATMOSPHERIC PRESSURE

- Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229

ATMOSPHERIC RADIATION

- Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432

ATMOSPHERIC REFRACTION

- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344

ATMOSPHERIC SCATTERING

- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028

ATMOSPHERIC SOUNDING

- Microwave limb sounder --- measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- Method of an apparatus for measuring temperature and pressure --- remote sensing of the atmosphere
[NASA-CASE-GSC-12558-1] c 35 N82-29580

ATMOSPHERIC TEMPERATURE

- System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15531-2] c 06 N83-17536

ATMOSPHERIC TURBULENCE

- Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
- Focused laser Doppler velocimeter
[NASA-CASE-MFS-23178-1] c 35 N77-10493

ATOMIC EXCITATIONS

- Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953

ATOMIZERS

- Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
- Improved constant-output atomizer
[NASA-CASE-MFS-25631-1] c 34 N82-10360

ATS

- Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978

ATTACHMENT

- Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150

ATTENUATORS

- Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
- Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969

ATTITUDE (INCLINATION)

- Analog spatial maneuver computer
[NASA-CASE-GSC-10880-1] c 08 N72-11172
- Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640
- Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391

ATTITUDE CONTROL

- Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
- Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279

Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent [NASA-CASE-XGS-00466] c 21 N70-34297

Attitude and propellant flow control system and method Patent [NASA-CASE-XMF-00185] c 21 N70-34539

Space vehicle attitude control Patent [NASA-CASE-XNP-00465] c 21 N70-35395

Attitude control for spacecraft Patent [NASA-CASE-XNP-00294] c 21 N70-36938

Attitude orientation of spin-stabilized space vehicles Patent [NASA-CASE-XLA-00281] c 21 N70-36943

Ejection unit Patent [NASA-CASE-XNP-00676] c 15 N70-38996

Three-axis controller Patent [NASA-CASE-XAC-01404] c 05 N70-41581

Training vehicle for controlling attitude Patent [NASA-CASE-XMS-02977] c 11 N71-10746

Canopus detector including automotive gain control of photomultiplier tube Patent [NASA-CASE-XNP-03914] c 21 N71-10771

Automatic balancing device Patent [NASA-CASE-LAR-10774] c 10 N71-13545

Spacecraft experiment pointing and attitude control system Patent [NASA-CASE-XLA-05464] c 21 N71-14132

Attitude control system Patent [NASA-CASE-XGS-04393] c 21 N71-14159

Control system for rocket vehicles Patent [NASA-CASE-XLA-01163] c 21 N71-15582

Reactance control system Patent [NASA-CASE-XMF-01598] c 21 N71-15583

Spacecraft attitude detection system by stellar reference Patent [NASA-CASE-XGS-03431] c 21 N71-15642

Three-axis finger tip controller for switches Patent [NASA-CASE-XAC-02405] c 09 N71-16089

Thrust and direction control apparatus Patent [NASA-CASE-XLE-03583] c 31 N71-17629

Attitude sensor for space vehicles Patent [NASA-CASE-XLA-00793] c 21 N71-22880

Attitude control system for sounding rockets Patent [NASA-CASE-XGS-01654] c 31 N71-24750

Voice operated controller Patent [NASA-CASE-XLA-04063] c 31 N71-33160

Attitude sensor [NASA-CASE-LAR-10586-1] c 19 N74-15089

Temperature compensated digital inertial sensor — circuit for maintaining inertial element of gyroscope or accelerometer at constant position [NASA-CASE-NPO-13044-1] c 35 N74-15094

Sun direction detection system [NASA-CASE-NPO-13722-1] c 74 N77-22951

Thrust augmented spin recovery device [NASA-CASE-LAR-11970-2] c 08 N81-19130

ATTITUDE GYROS

Space vehicle attitude control Patent [NASA-CASE-XNP-00465] c 21 N70-35395

Attitude control system [NASA-CASE-MFS-22787-1] c 15 N77-10113

ATTITUDE INDICATORS

Photosensitive device to detect bearing deviation Patent [NASA-CASE-XNP-00438] c 21 N70-35089

Controllers Patent [NASA-CASE-XMS-07487] c 15 N71-23255

Combined optical attitude and altitude indicating instrument Patent [NASA-CASE-XLA-01907] c 14 N71-23268

Head-up attitude display [NASA-CASE-ERC-10392] c 21 N73-14692

Attitude sensor [NASA-CASE-LAR-10586-1] c 19 N74-15089

Translatory shock absorber for attitude sensors [NASA-CASE-MFS-22905-1] c 19 N76-22284

Air speed and attitude probe [NASA-CASE-FRC-11009-1] c 06 N80-18036

Aircraft body-axis rotation measurement system [NASA-CASE-FRC-11043-1] c 06 N81-22048

ATTITUDE STABILITY

Dynamic precession damper for spin stabilized vehicles Patent [NASA-CASE-XLA-01989] c 21 N70-34295

Apparatus for automatically stabilizing the attitude of a nonguided vehicle [NASA-CASE-ARC-10134] c 30 N72-17873

Method of and apparatus for damping nutation motion with minimum spin axis attitude disturbance [NASA-CASE-GSC-12551-1] c 18 N81-12156

AUDIO EQUIPMENT

Audio system with means for reducing noise effects [NASA-CASE-NPO-11631] c 10 N73-12244

AUDIO FREQUENCIES

Signal path series step biased multidevice high efficiency amplifier Patent [NASA-CASE-GSC-10668-1] c 07 N71-28430

Audio frequency marker system [NASA-CASE-NPO-11147] c 14 N72-27408

AUDITORY DEFECTS

Hearing aid malfunction detection system [NASA-CASE-MSC-14916-1] c 33 N78-10375

AUDITORY PERCEPTION

Auditory display for the blind [NASA-CASE-HON-10832-1] c 71 N74-21014

AUDITORY SIGNALS

Audio signal processor Patent [NASA-CASE-MSC-12223-1] c 07 N71-26181

Audio system with means for reducing noise effects [NASA-CASE-NPO-11631] c 10 N73-12244

AUDITORY STIMULI

Auditory display for the blind [NASA-CASE-HON-10832-1] c 71 N74-21014

AUGER EFFECT

Apparatus for accurately preloading auger attachment means for frangible protective material [NASA-CASE-MSC-18791-1] c 37 N81-24446

AUSTENITIC STAINLESS STEELS

Nickel aluminate coated low alloy stainless steel [NASA-CASE-LEW-11267-1] c 17 N73-32414

Device for measuring the ferrite content in an austenitic stainless-steel weld [NASA-CASE-MFS-22907-1] c 26 N76-18257

AUTOCLAVES

System for sterilizing objects — cleaning space vehicle systems [NASA-CASE-KSC-11085-1] c 54 N81-24724

AUTOCORRELATION

Linear three-tap feedback shift register Patent [NASA-CASE-NPO-10351] c 08 N71-12503

Correlation function apparatus Patent [NASA-CASE-XNP-00746] c 07 N71-21476

An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data [NASA-CASE-NPO-14998-1] c 33 N81-15194

AUTOMATIC CONTROL

Bus voltage compensation circuit for controlling direct current motor [NASA-CASE-XMS-04215-1] c 09 N69-39987

Optical alignment system Patent [NASA-CASE-XNP-02029] c 14 N70-41955

Pulsed energy power system Patent [NASA-CASE-MSC-13112] c 03 N71-11057

Automatic balancing device Patent [NASA-CASE-LAR-10774] c 10 N71-13545

Apparatus for welding torch angle and seam tracking control Patent [NASA-CASE-XMF-03287] c 15 N71-15607

Leak detector Patent [NASA-CASE-LAR-10323-1] c 12 N71-17573

Solar optical telescope dome control system Patent [NASA-CASE-MSC-10966] c 14 N71-19568

Automatic welding speed controller Patent [NASA-CASE-XMF-01730] c 15 N71-23050

Indexing microwave switch Patent [NASA-CASE-XNP-06507] c 09 N71-23548

Automatic pump Patent [NASA-CASE-XNP-04731] c 15 N71-24042

Automatic fatigue test temperature programmer Patent [NASA-CASE-XLA-02059] c 33 N71-24276

Automatic battery charger Patent [NASA-CASE-XNP-04758] c 03 N71-24605

Transistor servo system including a unique differential amplifier circuit Patent [NASA-CASE-XMF-05195] c 10 N71-24861

Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent [NASA-CASE-NPO-10625] c 09 N71-26182

Automatic signal range selector for metering devices Patent [NASA-CASE-XMS-06497] c 14 N71-26244

Automated fluid chemical analyzer Patent [NASA-CASE-XNP-09451] c 06 N71-26754

Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures [NASA-CASE-MSC-13917-1] c 05 N72-15098

Optimal control system for an electric motor driven vehicle [NASA-CASE-NPO-11210] c 11 N72-20244

Automated equopotential plotter [NASA-CASE-NPO-11134] c 09 N72-21246

Ion thruster magnetic field control [NASA-CASE-LEW-10835-1] c 28 N72-22771

Temperature controller for a fluid cooled garment [NASA-CASE-ARC-10599-1] c 05 N73-26071

Redundant speed control for brushless Hall effect motor [NASA-CASE-MFS-20207-1] c 09 N73-32107

Programmable physiological infusion [NASA-CASE-ARC-10447-1] c 52 N74-22771

Automatically operable self-leveling load table [NASA-CASE-MFS-22039-1] c 09 N75-12968

Automatic focus control for facsimile cameras [NASA-CASE-LAR-11213-1] c 35 N75-15014

Traffic survey system — using optical scanners [NASA-CASE-MFS-22631-1] c 66 N76-19888

Automatic visual inspection system for microelectronics [NASA-CASE-NPO-13282] c 38 N78-17396

Automatic fluid dispenser [NASA-CASE-ARC-10820-1] c 35 N78-19466

Method for producing solar energy panels by automation [NASA-CASE-LEW-12541-1] c 44 N78-25529

Circuit for automatic load sharing in parallel converter modules [NASA-CASE-NPO-14056-1] c 33 N79-24257

Method for forming a solar array strip [NASA-CASE-NPO-13652-3] c 44 N80-14474

Automatic thermal switch [NASA-CASE-GSC-12553-1] c 33 N80-21671

Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width [NASA-CASE-NPO-14295-1] c 76 N80-32245

Integrated control system for a gas turbine engine [NASA-CASE-LEW-12594-2] c 07 N81-19116

Variable speed drive [NASA-CASE-GSC-12643-1] c 37 N81-24447

Programmable scan/read circuitry for charge coupled device imaging detectors — for a startracker [NASA-CASE-NPO-15345-1] c 33 N81-27403

Solar energy control system — temperature measurement [NASA-CASE-MFS-25287-1] c 44 N82-18686

Control system for an induction motor with energy recovery [NASA-CASE-MFS-25477-1] c 33 N82-22437

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands [NASA-CASE-LAR-12412-1] c 08 N82-24205

Vertical shaft windmill [NASA-CASE-LAR-12923-1] c 44 N82-29713

Automatic weld torch guidance control system [NASA-CASE-MFS-25807] c 37 N83-20154

AUTOMATIC CONTROL VALVES

Check valve assembly for a probe Patent [NASA-CASE-XLA-00128] c 15 N70-37925

Metal valve pinhole with encapsulated elastomeric body Patent [NASA-CASE-MSC-12116-1] c 15 N71-17648

Semitoroidal diaphragm cavitating valve Patent [NASA-CASE-XNP-09704] c 12 N71-18615

Valving device for automatic refilling in cryogenic liquid systems [NASA-CASE-NPO-11177] c 15 N72-17453

Combined pressure regulator and shutoff valve [NASA-CASE-NPO-13201-1] c 37 N75-15050

Iodine generator for reclaimed water purification [NASA-CASE-MSC-14632-1] c 54 N78-14784

Automatic compression adjusting mechanism for internal combustion engines [NASA-CASE-MSC-18807-1] c 37 N81-29442

AUTOMATIC FREQUENCY CONTROL

Automatic acquisition system for phase-lock loop [NASA-CASE-XGS-04994] c 09 N69-21543

Audio signal processor Patent [NASA-CASE-MSC-12223-1] c 07 N71-26181

Automatic frequency control loop including synchronous switching circuits [NASA-CASE-KSC-10393] c 09 N72-21247

Self-tuning bandpass filter [NASA-CASE-ARC-10264-1] c 09 N73-20231

AUTOMATIC GAIN CONTROL

Automatic gain control system [NASA-CASE-XMS-05307] c 09 N69-24330

Amplifier drift tester [NASA-CASE-XMS-05562-1] c 09 N69-39986

Self-tuning bandpass filter [NASA-CASE-ARC-10264-1] c 09 N73-20231

Digital automatic gain amplifier [NASA-CASE-KSC-11008-1] c 33 N79-22373

Automatic level control circuit [NASA-CASE-KSC-11170-1] c 33 N81-29347

AUTOMATIC TEST EQUIPMENT

Visual examination apparatus [NASA-CASE-ARC-10329-1] c 05 N73-26072

Automatic microbial transfer device [NASA-CASE-LAR-11354-1] c 35 N75-27330

Visual examination apparatus [US-PATENT-RE-28,921] c 52 N76-30793

Automated clinical system for chromosome analysis [NASA-CASE-NPO-13913-1] c 52 N79-12694

Automatic flowmeter calibration system [NASA-CASE-KSC-11076-1] c 34 N81-26402

- Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
- AUTOMATION**
Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480
- AUTOMOBILE ENGINES**
Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
Controller for computer control of brushless dc motors
--- automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- AUTOMOBILE FUELS**
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- AUTOMOBILES**
Fiberglass/epoxy composite automotive door structure including a glass-reinforced intrusion strip
[NASA-CASE-NPO-15057-1] c 24 N81-19230
- AUXILIARY POWER SOURCES**
Independent power generator
[NASA-CASE-LAR-11208-1] c 44 N78-32539
- AXES (REFERENCE LINES)**
Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992
Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951
Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 32 N82-10287
- AXES OF ROTATION**
Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279
Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954
Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
- AXIAL COMPRESSION LOADS**
Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411
Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312
- AXIAL FLOW TURBINES**
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-39895
Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
- AXIAL LOADS**
Locking device with rolling detents Patent
[NASA-CASE-XMF-01371] c 15 N70-41829
Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511
- AXIAL STRESS**
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511
- AZIMUTH**
Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
Long range laser traversing system
[NASA-CASE-GSC-11262-1] c 36 N74-21091
Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N80-32607
A pipelined digital SAR azimuth correlator using hybrid FFT/transversal-filter
[NASA-CASE-NPO-15519-1] c 32 N82-12298
- AZINES**
Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315
Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
Perfluoroalkyl polytriazines containing pendent iodoiodofluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
- Improved process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462
- AZO COMPOUNDS**
Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177
- B**
- BACK INJURIES**
Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- BACKGROUND NOISE**
Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980
- BACKGROUND RADIATION**
Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411
- BACKSCATTERING**
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091
- BACKUPS**
Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
- BACKWARD WAVES**
Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348
Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N83-17802
- BACTERIA**
Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052
Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178
Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891
Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N78-22585
Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750
Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714
- BACTERIOLOGY**
Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
Automated single-side staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677
- BAFFLES**
Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106
Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472
System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865
- BAGS**
Relief container
[NASA-CASE-XMS-06781] c 05 N69-23192
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
- BAKING**
Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387
- BALANCE**
Thermo-protective device for balances Patent
[NASA-CASE-XAC-00648] c 14 N70-40400
Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945
- BALANCING**
Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
Lift balancing device
[NASA-CASE-LAR-10348-1] c 11 N73-12264
- BALL BEARINGS**
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
Low mass rolling element for bearings
[NASA-CASE-LEW-11087-1] c 15 N73-30458
Hollow rolling element bearings
[NASA-CASE-LEW-11087-3] c 37 N74-21064
Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446
Spherical bearing --- to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404
Apparatus and method for inspecting a bearing ball --- eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316
- BALLAST (MASS)**
Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
- BALLASTS (IMPEDANCES)**
Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
Direct current ballast circuit for metal halide lamp
[NASA-CASE-MSC-18407-1] c 33 N82-24427
- BALLISTICS**
Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
- BALLOON SOUNDING**
Apparatus for controlling the temperature of balloon-borne equipment
[NASA-CASE-GSC-11620-1] c 34 N74-23039
- BALLOONS**
Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- BALLS**
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
- BANDPASS FILTERS**
Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
Signal-to-noise ratio determination circuit
[NASA-CASE-GSC-11239-1] c 10 N73-25241
High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195
Dichroic plate --- as bandpass filters
[NASA-CASE-NPO-13506-1] c 35 N76-15435
Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307
Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358
Tuned analog network --- bandpass filter networks
[NASA-CASE-GSC-12650-1] c 33 N82-10324
Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
Reactanceless bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N83-12333
- BANDWIDTH**
Narrow bandwidth video Patent
[NASA-CASE-XMS-06740-1] c 07 N71-26579
Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410

- Inductorless narrow-band filter/amplifier
[NASA-CASE-GSC-12410-1] c 33 N79-24260
- Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- BARIUM**
- Barium release system
[NASA-CASE-LAR-10670-1] c 06 N73-30097
- BARIUM COMPOUNDS**
- Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889
- BARIUM FLUORIDES**
- Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105
- BARIUM ION CLOUDS**
- Rocket having barium release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360
- BARIUM TITANATES**
- Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198
- BARRIER LAYERS**
- Schottky barrier solar cell
[NASA-CASE-NPO-13689-9] c 44 N81-29525
- Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334
- BARRIERS**
- Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145
- BARS**
- Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N81-24164
- BASES (CHEMICAL)**
- Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
- BATTERY CHARGERS**
- Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
- Method and apparatus for conditioning of nickel-cadmium batteries
[NASA-CASE-MFS-23270-1] c 44 N78-25531
- BAYARD-ALPERT IONIZATION GAGES**
- Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482
- BEADS**
- Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
- BEAM LEADS**
- Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951
- BEAM SPLITTERS**
- Optical range finder having nonoverlapping complete images
[NASA-CASE-MSC-12105-1] c 14 N72-21409
- Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
- Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395
- Method and apparatus for splitting a beam of energy --- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848
- Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N82-24973
- Collimated beam manifold with the number of output beams variable at a given output angle
[NASA-CASE-MFS-25312-1] c 74 N83-17305
- Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949
- BEAM SWITCHING**
- Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
- Antenna array at focal plane of reflector with coupling network for beam switching Patent
[NASA-CASE-GSC-10220-1] c 07 N71-27233
- Dish antenna having switchable beamwidth --- with truncated concave ellipsoid subreflector
[NASA-CASE-GSC-11760-1] c 33 N75-19516
- Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329
- Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472

BEAM WAVEGUIDES

- Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
- Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
- Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
- Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
- Multiplex collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900
- BEAMS (RADIATION)**
- Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
- Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N81-12407
- Sidelooking laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N81-19439
- Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- BEAMS (SUPPORTS)**
- Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N81-12283
- Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157
- BEARING (DIRECTION)**
- Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
- Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
- Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
- Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265
- Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
- Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422
- System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
- BEARINGS**
- Alloys for bearings Patent
[NASA-CASE-XLE-05033] c 15 N71-23810
- Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
- Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N72-25288
- Magnetic bearing --- for supplying magnetic fluxes
[NASA-CASE-GSC-11079-1] c 37 N75-18574
- Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464
- Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
- Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
- Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
- Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
- Linear magnetic bearings --- active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469
- Antenna grout replacement system
[NASA-CASE-NPO-15205-1] c 37 N81-19457
- Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 33 N81-22279
- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359
- Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587
- Magnetic bearing and motor
[NASA-CASE-GSC-12725-1] c 37 N82-29603

- Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N83-13460
- Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 39 N83-20284
- BEDS (PROCESS ENGINEERING)**
- Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
- BEER LAW**
- A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
- BEES**
- Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
- BELLOWS**
- Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
- Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
- Spherical shield Patent
[NASA-CASE-NPO-01855] c 15 N71-28937
- Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19183-1] c 37 N75-19686
- BELTS**
- Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917
- BENDING**
- Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
- Means for suppressing or attenuating bending motion of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971
- Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
- Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
- BENDING DIAGRAMS**
- Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095
- BENDING FATIGUE**
- Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993
- Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
- BENDING MOMENTS**
- Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353
- BENDING VIBRATION**
- Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
- BENZENE**
- Intumescent composition, foamed product prepared therefrom, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
- Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423
- BERYLLIUM ALLOYS**
- Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
- Thin film strain transducer --- for strain monitoring of high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632
- BERYLLIUM HYDRIDES**
- Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228
- BERYLLIUM OXIDES**
- High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
- High modulus inert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
- High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- BIAS**
- Electrical self-aligning connector
[NASA-CASE-MFS-25211-1] c 33 N80-32651
- BIMETALS**
- Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313
- Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
- Thermal motor
[NASA-CASE-NPO-11283] c 09 N72-25260
- Thermal compensating structural member
[NASA-CASE-MFS-20433] c 15 N72-28496

Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126

Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

BINARY CODES

Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773

Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103

Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407

Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209

Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850

Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289

Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308

Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313

BINARY DATA

Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743

Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602

Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693

Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613

Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654

Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981

Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

BINARY DIGITS

Logarithmic converter Patent
[NASA-CASE-XLA-00471] c 08 N70-34778

Full binary adder Patent
[NASA-CASE-XGS-00689] c 08 N70-34787

Binary number sorter Patent
[NASA-CASE-NPO-10112] c 08 N71-12502

Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505

Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571

Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295

High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176

A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254

Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850

BINARY FLUIDS

Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503

BINARY TO DECIMAL CONVERTERS

Binary to binary-coded-decimal converter Patent
[NASA-CASE-NPO-00432] c 08 N70-35423

High speed binary to decimal conversion system Patent
[NASA-CASE-XGS-01230] c 08 N71-19544

BCD to decimal decoder Patent
[NASA-CASE-KKS-06167] c 08 N71-24890

High speed direct binary-to-binary coded decimal converter
[NASA-CASE-KSC-10326] c 08 N72-21197

Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691

BINDERS (MATERIALS)

Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400

Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125

Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

BINOCULARS

Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882

BIOASSAY

Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676

Flavin coenzyme assay
[NASA-CASE-GSC-10565-1] c 06 N72-25149

Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052

Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123

Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891

Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694

Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714

BIODYNAMICS

Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772

Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280

BIOELECTRIC POTENTIAL

Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925

Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120

Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769

BIOELECTRICITY

Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002

Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698

BIOENGINEERING

Bio-isolated dc operational amplifier --- for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851

Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735

Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738

Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772

Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612

Urne collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711

Biomedical flow sensor --- intravenous procedures
[NASA-CASE-MSC-18761-1] c 52 N81-24717

Low X-ray absorption aneurism clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768

Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962

BIOINSTRUMENTATION

Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440

Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193

Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346

EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729

Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002

Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726

Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329

Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896

Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835

Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780

Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772

Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716

Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717

Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580

Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691

Pulse transducer with artifact signal attenuator --- heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969

Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067

Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072

Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804

Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770

Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863

Dual physiological rate measurement instrument
[NASA-CASE-MSC-20078-1] c 52 N82-32971

BIOLUMINESCENCE

Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355

Lyophilized reaction mixtures Patent
[NASA-CASE-XGS-05532] c 06 N71-17705

Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794

Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N78-22585

BIOMEDICAL DATA

Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440

Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771

BIOMETRICS

Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346

Compressible biomedical electrode
[NASA-CASE-MSC-13648] c 05 N72-27103

Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726

Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566

Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835

Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580

Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771

Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072

Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703

Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804

BIOTELEMETRY

Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342

Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625

Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757

Accelerometer telemetry system
[NASA-CASE-ARC-10849-1] c 17 N76-29347

Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894

BIPOLAR TRANSISTORS

Voltage regulator for battery power source --- using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345

Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494

BIREFRINGENCE

Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101

BISMUTH

Manganese bismuth films with narrow transfer characteristics for Curie-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678

BISMUTH COMPOUNDS

Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213

BISTABLE CIRCUITS

AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910

BIT SYNCHRONIZATION

Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149
Method and apparatus for a single channel digital communications system — synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132

BITERNARY CODE

Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917

BITS

Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263

BLACK BODY RADIATION

Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323

BLADDER

Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660

BLADE TIPS

Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129

BLADES

Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468

BLADES (CUTTERS)

Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
Precision reciprocating filament chopper
[NASA-CASE-LAR-12564-2] c 37 N82-18604
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730

BLAST LOADS

Linear explosive companson
[NASA-CASE-LAR-10800-1] c 33 N72-27959

BLOCKS

Rotary target V-block — aligning wind tunnel apparatus for optical measurement
[NASA-CASE-LAR-12007-2] c 74 N79-25876

BLOOD

Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
Dialysis system — using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687

BLOOD FLOW

Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770

BLOOD PRESSURE

Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
Apparatus and method for processing Korotkov sounds — for blood pressure measurement
[NASA-CASE-MSC-13999-1] c 52 N74-26626
Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
Circuit for detecting initial systole and diastolic notch — for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531

Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804

BLOOD VESSELS

Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804

BLUFF BODIES

Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939

BLUNT BODIES

Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436

BODIES OF REVOLUTION

Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992

BODY FLUIDS

Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
Method of detecting and counting bacteria
[NASA-CASE-GSC-1917-2] c 51 N76-29891
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605

BODY KINEMATICS

Space suit having improved waist and torso movement
[NASA-CASE-ARC-10275-1] c 05 N72-22092
Controller arm for a remotely related slave arm
[NASA-CASE-ARC-11052-1] c 37 N79-28551
Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280

BODY MEASUREMENT (BIOLOGY)

Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580
Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N81-24716
Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280

BODY TEMPERATURE

Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894

BODY VOLUME (BIOLOGY)

Whole body measurement systems — for weightlessness simulation
[NASA-CASE-MSC-13972-1] c 52 N74-10975
Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N81-24716

BODY-WING CONFIGURATIONS

Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

BOILERS

Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915

BOLOMETERS

Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449

BOLTS

Gas actuated bolt disconnect Patent
[NASA-CASE-XLA-00326] c 03 N70-34667
Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457

BONDING

Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
Bonded joint and method — for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260

Strain arrestor plate for fused silica tile — bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264

Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431

Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143

Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235

Attachment system for silica tiles — thermal protection for space shuttle orbiter
[NASA-CASE-MSC-18741-1] c 27 N82-29456

Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521

BONES

Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215

BOOMS (EQUIPMENT)

Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477
Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021

BOOSTER RECOVERY

Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
Orbiter/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161

BOOSTER ROCKET ENGINES

Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
Recoverable single stage spacecraft booster Patent
[NASA-CASE-XMF-01973] c 31 N70-41588
Space Shuttle with improved external propellant tank
[NASA-CASE-MFS-25853] c 16 N83-13149

BOOTS (FOOTWEAR)

Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675

BORING MACHINES

Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518
Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 48 N80-10709

BORON

Radiation hardening of MOS devices by boron — for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329

BORON CARBIDES

Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922

BORON FIBERS

Method and apparatus for strengthening boron fibers — high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385

BORON FLUORIDES

Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233

BOROSILICATE GLASS

Method for repair of thin glass coatings — on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520

BOULES

Improved ingot slicing machine
[NASA-CASE-NPO-15483-1] c 37 N82-28642

BOUNDARY LAYER CONTROL

Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

BOUNDARY LAYER SEPARATION

Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
Controlled separation combustor — airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976

BOUNDARY LAYER TRANSITION

Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests

[NASA-CASE-LAR-12261-1] c 02 N80-20224

BOUNDARY LAYERS

Traversing probe Patent

[NASA-CASE-XFR-02007] c 12 N71-24692

Apparatus for sensing temperature

[NASA-CASE-XLE-05230] c 14 N72-27410

BOXES (CONTAINERS)

Storage container for electronic devices Patent

[NASA-CASE-MFS-20075] c 09 N71-26133

BRACKETS

Electrical servo actuator bracket --- fuel control valves on jet engines

[NASA-CASE-FRC-11044-1] c 37 N81-33483

Tool for releasing optical elements

[NASA-CASE-GSC-12794-1] c 37 N83-12434

BRAIN

Ion beam sputter etched ventricular catheter for hydrocephalus shunt

[NASA-CASE-LEW-13107-2] c 52 N83-20539

BRAKES (FOR ARRESTING MOTION)

Frangible tube energy dissipation Patent

[NASA-CASE-XLA-00754] c 15 N70-34850

Emergency escape system Patent

[NASA-CASE-XKS-07814] c 15 N71-27067

Sprag solenoid brake --- development and operations of electrically controlled brake

[NASA-CASE-MFS-21846-1] c 37 N74-26976

Reel safety brake

[NASA-CASE-GSC-11960-1] c 37 N77-14479

Motion restraining device

[NASA-CASE-NPO-13619-1] c 37 N78-16369

Moving body velocity arresting line --- stainless steel cables with energy absorbing sleeves

[NASA-CASE-LAR-12372-1] c 37 N82-18601

BRAKING

Regenerative braking system Patent

[NASA-CASE-XMF-01096] c 10 N71-16030

Linear magnetic brake with two windings Patent

[NASA-CASE-XLE-05079] c 15 N71-17652

Anemometer with braking mechanism Patent

[NASA-CASE-XMF-05224] c 14 N71-23726

BRAZING

Pretreatment method for anti-wettable materials

[NASA-CASE-XMS-03537] c 15 N69-21471

Process for applying a protective coating for salt bath brazing Patent

[NASA-CASE-XLE-00046] c 15 N70-33311

Method of joining aluminum to stainless steel Patent

[NASA-CASE-MFS-07369] c 15 N71-20443

Brazing alloy Patent

[NASA-CASE-XNP-03063] c 17 N71-23365

Brazing alloy binder

[NASA-CASE-XMF-05868] c 26 N75-27125

Brazing alloy composition

[NASA-CASE-XMF-06053] c 26 N75-27126

Brazing alloy

[NASA-CASE-XNP-03878] c 26 N75-27127

Method of fluxless brazing and diffusion bonding of aluminum containing components

[NASA-CASE-MSC-14435-1] c 37 N76-18455

BREATHING APPARATUS

Transfer valve Patent

[NASA-CASE-XAC-01158] c 15 N71-23051

Self-contained breathing apparatus

[NASA-CASE-MSC-14733-1] c 54 N76-24900

Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal

[NASA-CASE-MSC-16182-1] c 54 N80-10799

BRICKS

Foldable construction block

[NASA-CASE-MSC-12233-2] c 32 N73-13921

BRIGHTNESS

Light intensity modulator controller Patent

[NASA-CASE-XMS-04300] c 09 N71-19479

BRIGHTNESS DISCRIMINATION

Television signal processing system Patent

[NASA-CASE-NPO-10140] c 07 N71-24742

Visual examination apparatus

[NASA-CASE-ARC-10329-1] c 05 N73-26072

Illumination control apparatus for compensating solar light

[NASA-CASE-KSC-11010-1] c 74 N79-12890

BRITTLENESS

Rock sampling --- apparatus for controlling particle size

[NASA-CASE-XNP-10007-1] c 46 N74-23068

Rock sampling --- method for controlling particle size distribution

[NASA-CASE-XNP-09755] c 46 N74-23069

Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent

[NASA-CASE-NPO-14857-1] c 27 N83-19900

BROADBAND

Broadband choke for antenna structure

[NASA-CASE-XMS-05303] c 07 N69-27462

Flexible blade antenna Patent

[NASA-CASE-MSC-12101] c 09 N71-18720

Broadband frequency discriminator Patent

[NASA-CASE-NPO-10096] c 07 N71-24583

Broadband microwave waveguide window Patent

[NASA-CASE-XNP-08880] c 09 N71-24808

High-gain, broadband traveling wave maser Patent

[NASA-CASE-NPO-10548] c 16 N71-24831

Wideband VCO with high phase stability Patent

[NASA-CASE-XLA-03893] c 10 N71-27271

Composite antenna feed

[NASA-CASE-GSC-11046-1] c 07 N73-28013

Multifrequency broadband polarized horn antenna

[NASA-CASE-NPO-14588-1] c 32 N81-25278

Broadband optical radiation detector

[NASA-CASE-14864-1] c 74 N83-19597

BROADBAND AMPLIFIERS

Broadband stable power multiplier Patent

[NASA-CASE-XNP-10854] c 10 N71-26331

Cascaded complementary pair broadband transistor amplifiers Patent

[NASA-CASE-NPO-10003] c 10 N71-26415

BROADCASTING

Vehicle locating system utilizing AM broadcasting station carriers

[NASA-CASE-NPO-13217-1] c 32 N75-26194

BROMINE

Hydrogen-bromine secondary battery

[NASA-CASE-NPO-13237-1] c 44 N76-18641

BRONZES

Thin wire pointing method

[NASA-CASE-NPO-15789-1] c 31 N83-19947

BRUSHES

Method of making impurity-type semiconductor electrical contacts Patent

[NASA-CASE-XMF-01016] c 26 N71-17818

BRUSHES (ELECTRICAL CONTACTS)

A brushless dc tachometer

[NASA-CASE-NPO-15789-1] c 35 N82-26633

BUBBLES

Acoustic bubble removal

[NASA-CASE-NPO-15334-1] c 37 N82-22497

Method of forming frozen spheres in a force-free drop tower

[NASA-CASE-NPO-14845-1] c 27 N82-28442

BUCKLING

Miniature vibration isolator Patent

[NASA-CASE-XLA-01019] c 15 N70-40156

Compression test assembly

[NASA-CASE-LAR-10440-1] c 14 N73-32323

BUFFER STORAGE

Data handling system based on source significance, storage availability and data received from the source

Patent Application

[NASA-CASE-XNP-04182-1] c 08 N70-34675

Data transfer system Patent

[NASA-CASE-NPO-12107] c 08 N71-27255

Buffered analog converter

[NASA-CASE-KSC-10397] c 08 N72-25206

Common data buffer system --- communication with computational equipment utilized in spacecraft operations

[NASA-CASE-KSC-11048-1] c 62 N81-24779

BUFFERS (CHEMISTRY)

Static continuous electrophoresis device

[NASA-CASE-MFS-25306-1] c 25 N83-13187

BUILDINGS

Foldable construction block

[NASA-CASE-MSC-12233-1] c 15 N72-25454

BULBS

External bulb variable volume maser

[NASA-CASE-GSC-12334-1] c 36 N79-14362

BULKHEADS

Tank construction for space vehicles Patent

[NASA-CASE-XMF-01899] c 31 N70-41948

BUOYANCY

Inflatable radar reflector unit Patent

[NASA-CASE-XMS-00893] c 07 N70-40063

BURNERS

Micronized coal burner facility

[NASA-CASE-LEW-13426-1] c 44 N82-31769

BURNING RATE

Burning rate control of solid propellants Patent

[NASA-CASE-XLE-03494] c 27 N71-21819

Burn rate testing apparatus

[NASA-CASE-XMS-09690] c 33 N72-25913

Nitramine propellants --- gun propellant burning rate

[NASA-CASE-NPO-14103-1] c 28 N78-31255

BURNOUT

Spherically-shaped rocket motor. Patent

[NASA-CASE-XHQ-01897] c 28 N70-35381

BURNS (INJURIES)

Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin

[NASA-CASE-NPO-14402-1] c 52 N81-27783

BUS CONDUCTORS

Test apparatus for locating shorts during assembly of electrical buses

[NASA-CASE-ARC-11116-1] c 33 N82-24420

BUTT JOINTS

Channel-type shell construction for rocket engines and the like Patent

[NASA-CASE-XLE-00144] c 28 N70-34860

Segmented back-up bar Patent

[NASA-CASE-XMF-00640] c 15 N70-39924

Apparatus for welding sheet material --- butt joints

[NASA-CASE-XMS-01330] c 37 N75-27376

BUTTERFLY VALVES

Flexible seal for valves Patent

[NASA-CASE-XLE-00101] c 15 N70-33376

BYPASSES

Low power drain semi-conductor circuit

[NASA-CASE-XGS-04999] c 09 N69-24317

Helical coaxial resonator RF filter

[NASA-CASE-XGS-02816] c 07 N69-24323

Current regulating voltage divider

[NASA-CASE-MFS-20935] c 09 N71-34212

Use of unilluminated solar cells as shunt diodes for a solar array

[NASA-CASE-GSC-10344-1] c 03 N72-27053

Shunt regulation electric power system

[NASA-CASE-GSC-10135] c 33 N78-17296

Thrust reverser for a long duct fan engine --- for turbofan engines

[NASA-CASE-LEW-13199-1] c 07 N82-26293

Ion beam sputter etched ventricular catheter for hydrocephalus shunt

[NASA-CASE-LEW-13107-2] c 52 N83-20539

C**CABLE FORCE RECORDERS**

Winch having cable position and load indicators

Patent

[NASA-CASE-MSC-12052-1] c 15 N71-24599

CABLES

Cable restraint

[NASA-CASE-LAR-10129-1] c 15 N73-25512

Deployable flexible tunnel

[NASA-CASE-MFS-22636-1] c 37 N76-22540

CABLES (ROPES)

High-voltage cable Patent

[NASA-CASE-XNP-00738] c 09 N70-38201

Cable arrangement for rigid tethering Patent

[NASA-CASE-XLA-02332] c 32 N71-17609

Extensible cable support Patent

[NASA-CASE-XMF-07587] c 15 N71-18701

Satellite appendage tie down cord Patent

[NASA-CASE-XGS-02554] c 31 N71-21064

Quick attach mechanism Patent

[NASA-CASE-XFR-05421] c 15 N71-22994

Flexible/rigidifiable cable assembly

[NASA-CASE-MSC-13512-1] c 15 N72-22485

Cable stabilizer for open shaft cable operated elevators

[NASA-CASE-KSC-10513] c 15 N72-25453

Reeling system

[NASA-CASE-LAR-10129-2] c 37 N74-20063

Emergency descent device

[NASA-CASE-MFS-23074-1] c 54 N77-21844

Belt for transmitting power from a cogged driving member to a cogged driven member

[NASA-CASE-GSC-12289-1] c 37 N80-32717

Moving body velocity arresting line --- stainless steel cables with energy absorbing sleeves

[NASA-CASE-LAR-12372-1] c 37 N82-18601

CADMIUM SULFIDES

High field CdS detector for infrared radiation

[NASA-CASE-LAR-11027-1] c 35 N74-18088

CDS solid state phase insensitive ultrasonic transducer --- annealing cadmium sulfide crystals

[NASA-CASE-LAR-12304-1] c 35 N80-20559

CALCIUM OXIDES

CALCIUM OXIDES

Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162

CALCIUM PHOSPHATES

Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072

CALCULATORS

Sun angle calculator
[NASA-CASE-MS-C-12617-1] c 35 N76-29552

CALCULI

Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N82-26961

CALIBRATING

Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999

Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036

Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755

Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606

Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914

Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117

Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390

System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132

In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092

Ergometer calibrator --- for any ergometer utilizing rotating shaft
[NASA-CASE-MFS-21045-1] c 35 N75-15932

Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432

High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523

Electronically scanned pressure sensor module with in situ calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347

Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392

Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281

Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402

Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449

Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N82-32661

Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593

CALORIMETERS

Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051

Heat flow calorimeter --- measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859

Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426

CAMERA SHUTTERS

Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273

Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060

Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427

Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly --- for use with cameras mounted in satellites
[NASA-CASE-GSC-11560-1] c 33 N74-20861

CAMERAS

Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976

Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474

Film feed camera having a detent means Patent
[NASA-CASE-LAR-10688] c 14 N71-28935

Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410

Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441

On-film optical recording of camera lens settings
[NASA-CASE-MS-C-12363-1] c 14 N73-26431

Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322

Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153

Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014

Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613

Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328

Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402

CAMS

Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400

Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095

CAM controlled retractable door latch
[NASA-CASE-MS-C-20304-1] c 37 N82-31690

CANARD CONFIGURATIONS

Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629

Supersonic transport --- using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32086

Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 37 N82-26675

CANCER

Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751

Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

CANOPIES

Transparent fire resistant polymers structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230

Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330

Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737

CANS

Canister closing device Patent
[NASA-CASE-XLA-01446] c 15 N71-21528

Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464

CANTILEVER BEAMS

Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045

Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418

CANTILEVER MEMBERS

Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874

Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407

CAPACITANCE

Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785

Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790

Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232

Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442

Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712

Direct reading inductance meter
[NASA-CASE-NPO-13792-1] c 35 N77-32455

Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265

CAPACITANCE SWITCHES

Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249

Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819

Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669

CAPACITORS

Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937

Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157

Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618

Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797

Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522

Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976

Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225

Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477

Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762

Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477

Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MS-C-14339-1] c 05 N75-24716

High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373

Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608

Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341

Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265

CAPILLARY FLOW

Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035

Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048

Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214

Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568

CAPILLARY TUBES

Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608

Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427

Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896

Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428

CARBAZOLES

Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698

CARBIDES

Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904

CARBOHYDRATES

Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499

CARBON

Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MS-C-16497-1] c 25 N82-12166

Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672

Apparatus and method for destructive removal of particles contained in a flowing fluid
[NASA-CASE-NPO-15426-1] c 45 N83-20447

CARBON ARCS

Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266

CARBON COMPOUNDS

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075

Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

CARBON DIOXIDE

Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015

Miniature carbon dioxide sensor and methods
[NASA-CASE-MS-C-13332-1] c 14 N72-21408

Metabolic rate meter and method
[NASA-CASE-MS-C-12239-1] c 52 N79-21750

CARBON DIOXIDE LASERS

Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832

Power supply for carbon dioxide lasers
[NASA-CASE-GSC-11222-1] c 16 N73-32391

Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427

Tunable injection-locked pulsed CO₂ laser
[NASA-CASE-NPO-14984-1] c 36 N81-15350

CARBON DIOXIDE REMOVAL

- Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
- Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
- Portable breathing system -- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799

CARBON FIBER REINFORCED PLASTICS

- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
- Curing agent for polyepoxides and epoxy resins and composites cured therewith -- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
- Graphite/polyimide structural applications
[NASA-CASE-LAR-12547-1] c 24 N82-25324

CARBON MONOXIDE

- Carbon monoxide monitor -- using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380

CARBON-CARBON COMPOSITES

- Prestressed thermal protection systems -- space shuttle orbiters
[NASA-CASE-MSC-20254-1] c 24 N83-17601

CARBONATES

- Polyurethanes of fluorene containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
- Synthesis of dawsonites
[NASA-CASE-ARC-113261-1] c 25 N80-31490

CARBONIZATION

- Method of carbonizing polyacrylonitrile fibers and resulting product
[NASA-CASE-ARC-11261-1] c 24 N81-29164

CARBONYL COMPOUNDS

- Coal desulfurization -- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246

CARBORANE

- Process for the preparation of polycarbonylphosphazenes -- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Carboranylchlorophosphazenes and their polymers -- thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389

CARBOXYL GROUP

- Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929

CARBOXYLIC ACIDS

- Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N83-12239

CARCINOGENS

- Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676

CARDIAC VENTRICLES

- Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724

CARDIOGRAPHY

- Digital cardiograph system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
- Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760

CARDIOLOGY

- Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
- Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895

CARDIOTACHOMETERS

- Digital computing cardiograph system
[NASA-CASE-MFS-20284-1] c 52 N74-12778

CARDIOVASCULAR SYSTEM

- G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268
- Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185
- Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
- Low X-ray absorption aneurysm clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768

CARGO

- Portable pallet weight apparatus
[NASA-CASE-GSC-12789-1] c 35 N83-13425

CARRIER FREQUENCIES

- Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
- Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
- Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17830
- Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
- Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539

CARRIER WAVES

- Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
- Modulator for tone and binary signals -- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981

CARRIERS

- Storage container for electronic devices Patent
[NASA-CASE-MFS-20075] c 09 N71-26133
- Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

CARTESIAN COORDINATES

- Random function tracer Patent
[NASA-CASE-XLA-01401] c 15 N71-21179

CARTRIDGES

- Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813

CARTS

- High production shuttle car system for coal mines
[NASA-CASE-NPO-15949-1] c 37 N83-20155

CASCADE CONTROL

- Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
- Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
- Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245

CASCADE FLOW

- Cascade plug nozzle -- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117
- Deaerator/mixer for liquids
[NASA-CASE-MSC-18936-1] c 25 N82-22329
- Thrust reverser for a long duct fan engine -- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

CASE BONDED PROPELLANTS

- Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179

CASES (CONTAINERS)

- Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
- Protected isotope heat source -- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876

CASEGRAIN ANTENNAS

- Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808

CASSEGRAIN ANTENNAS

- Cassegrain antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
- Multi-feed cone Cassegrain antenna Patent
[NASA-CASE-NPO-10539] c 07 N71-11285
- Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
- Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000

CASTING

- Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
- Asymmetric polyimide separation membrane and method
[NASA-CASE-NPO-15431-1] c 25 N81-29178
- Acoustic bubble removal
[NASA-CASE-NPO-15334-1] c 37 N82-22497
- Texturing polymer surfaces by transfer casting -- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440

CASTINGS

- Method of making an apertured casting -- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- Castable high temperature refractory materials
[NASA-CASE-LEW-13080-2] c 27 N82-11210

CATALYSIS

- Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504
- Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
- Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- Diesel engine catalytic combustor system -- turbocharging
[NASA-CASE-LEW-12995-1] c 37 N80-26659
- Autocatalytic coal liquefaction process
[NASA-CASE-NPO-14876-2] c 28 N82-25394

CATALYSTS

- Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHQ-03903] c 15 N69-21922
- Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901
- Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- Catalyst cartridge for carbon dioxide reduction unit
[NASA-CASE-LAR-10551-1] c 25 N74-12813
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides -- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116

CATALYTIC ACTIVITY

- Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826

CATHETERIZATION

- Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
- Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
- Ion beam sputter etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N83-20539
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785

CATHODE RAY TUBES

- Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
- Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248
- CRT blanking and brightness control circuit
[NASA-CASE-KSC-10647-1] c 10 N72-31273
- Display system
[NASA-CASE-ERC-10350] c 14 N73-20474
- Very high intensity light source using a cathode ray tube -- electron beams
[NASA-CASE-XNP-01296] c 33 N75-27250

CATHODES

- Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
- Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190
- Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084
- Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
- Storage battery comprising negative plates of a wedge shaped configuration -- for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693

CATIONS

- Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104

CAVITATION FLOW

Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615

CAVITIES

Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
Burrwing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362
Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524
Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
Method and apparatus for producing concentric hollow spheres --- for nuclear fusion by inertial confinement
[NASA-CASE-NPO-14596-2] c 31 N82-25401
Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-3] c 27 N82-26461
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

CAVITY RESONATORS

Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616
Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146
Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111
Tunable cavity resonator with ramp shaped supports
[NASA-CASE-HQN-10790-1] c 36 N74-11313
Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N81-12407
Laser resonator
[NASA-CASE-GSC-12565-1] c 36 N82-24485

CELESTIAL BODIES

Device for determining relative angular position between a spacecraft and a radiation emitting celestial body
[NASA-CASE-GSC-11444-1] c 14 N73-28490
Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250

CELESTIAL NAVIGATION

Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

CELL ANODES

Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579
Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034
Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581

CELL DIVISION

Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769

CELLS

Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742

CELLS (BIOLOGY)

System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
Method for separating biological cells --- suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715
Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126

CELLULOSE

Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370

CENTER OF GRAVITY

Portable pallet weight apparatus
[NASA-CASE-GSC-12789-1] c 35 N83-13425

CENTRAL PROCESSING UNITS

Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N79-27864

CENTRIFUGAL COMPRESSORS

Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-1] c 37 N79-23431

CENTRIFUGAL FORCE

Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090

CENTRIFUGES

Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815

Separator Patent

[NASA-CASE-XLA-00415] c 15 N71-16079

Centrifugal lyophobic separator

[NASA-CASE-LAR-10194-1] c 34 N74-30608

Fluid control apparatus and method

[NASA-CASE-LAR-11110-1] c 34 N75-26282

Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MSC-23825-1] c 51 N81-32829

CERAMIC BONDING

Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610

Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312

Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904

CERAMIC COATINGS

Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483

Unfired-ceramic flame-resistant insulation and method of making the same Patent
[NASA-CASE-XMF-01030] c 18 N70-41583

Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858

Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729

Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377

Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426

Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-13359-1] c 27 N81-24265

Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492

Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

CERAMIC NUCLEAR FUELS

Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729

CERAMICS

Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226

Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998

Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088

Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032

Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464

Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584

Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302

Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221

High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213

Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N81-24446

Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371

Castable high temperature refractory materials
[NASA-CASE-LEW-13080-2] c 27 N82-11210

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453

Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602

CEREBROSPINAL FLUID

Ion beam sputter etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-2] c 52 N83-20539

Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785

CERENKOV RADIATION

Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423

CERMETS

Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076

Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729

Cermet composition and method of fabrication --- heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N76-15311

High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217

High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302

High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213

Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683

CESIUM

Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773

Method of producing I-123 --- by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383

CESIUM DIODES

Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646

Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421

Improved thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N81-19561

CESIUM ENGINES

Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802

Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197

CESIUM VAPOR

Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524

CHALCOGENIDES

Chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N83-18025

CHANNEL FLOW

Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818

Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569

CHANNELS (DATA TRANSMISSION)

Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843

Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224

Asynchronous, multiplexing, single line transmission and recovery data system --- for satellite use
[NASA-CASE-NPO-13321-1] c 32 N75-26195

Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N79-27864

High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252

CHARACTER RECOGNITION

Automatic character skew and spacing checking network --- of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353

System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896

CHARGE COUPLED DEVICES

- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N79-17134
- Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396
- Programmable scan/read circuitry for charge coupled device imaging detectors --- for a startracker
[NASA-CASE-NPO-15345-1] c 33 N81-27403

CHARGE DISTRIBUTION

- Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
- Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314

CHARGE EXCHANGE

- Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148

CHARGE TRANSFER

- Magnetic counter Patent
[NASA-CASE-XNP-08838] c 09 N71-12515
- Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359

CHARGE TRANSFER DEVICES

- Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
- Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416

CHARGED PARTICLES

- Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
- Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095
- Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208
- Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429
- Cerenkov radiator material and charged particle detection process
[NASA-CASE-GSC-12805-1] c 72 N83-18423

CHARGING

- Synchronous orbit battery cyclor
[NASA-CASE-GSC-11211-1] c 03 N72-25020

CHARRING

- Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975
- Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586

CHASSIS

- Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467

CHECKOUT

- Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566
- Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601
- Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359

CHELATES

- Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
- Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

CHEMICAL ANALYSIS

- Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
- Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095
- Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
- Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

- Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
- System for monitoring physical characteristics of fluids --- acoustic techniques
[NASA-CASE-NPO-15400-1] c 34 N81-24384
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 45 N83-18089

CHEMICAL AUXILIARY POWER UNITS

- Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044

CHEMICAL BONDS

- Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
- Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353

CHEMICAL COMPOSITION

- Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255
- Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
- High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455
- Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 45 N83-18089
- Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 45 N83-20446

CHEMICAL COMPOUNDS

- Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428

CHEMICAL ELEMENTS

- Apparatus for remote handling of materials --- mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123

CHEMICAL ENGINEERING

- Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162

CHEMICAL EXPLOSIONS

- Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

CHEMICAL MACHINING

- Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033

CHEMICAL PROPERTIES

- Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
- Polyurethanes of fluorene containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30099
- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058

CHEMICAL REACTIONS

- Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4,5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 06 N71-11235
- Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236
- Preparation of ordered poly /arylenesiloxane/ polymers
[NASA-CASE-XMF-10753] c 06 N71-11237
- Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
- High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
- Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403
- Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
- Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740
- Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
- Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10384] c 06 N71-27363

- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
- Epoxy-azidine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
- Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
- Trialkyl-dihaloaluminum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
- Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
- Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
- Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465
- Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
- Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
- Self-cycling fluid heater
[NASA-CASE-MSC-15567-1] c 33 N73-16918
- Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
- Polyurethanes from fluoroalkyl propyleneglycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
- Fluorene containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103
- Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
- Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
- Method for detecting pollutants --- through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229
- Preparation of perfluorinated imidoylamidoximes --- for eventual preparation of heat and chemical resistant polymers
[NASA-CASE-ARC-11267-1] c 23 N80-26386
- Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-1] c 27 N80-26447
- An improved synthesis of 2,4,8,10-tetroxaspiro (5 5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472
- Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- Elastomer toughened polyimide adhesives
[NASA-CASE-NPO-14273-1] c 27 N82-25384
- Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
- Apparatus and method to keep the walls of a free space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 73 N83-12986

CHEMICAL REACTORS

- Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253
- Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
- Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
- Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-18475
- Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
- Apparatus and method to keep the walls of a free space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 73 N83-12986

CHEMICAL TESTS

- Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
- Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446

CHEMILUMINESCENCE

CHEMILUMINESCENCE

Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714

CHEMOTHERAPY

Indomethacin-anthistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613

CHIPS (ELECTRONICS)

Head for high speed spinner having a vacuum chuck -- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092

CHIRP SIGNALS

Method for shaping and aiming narrow beams -- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443

CHLORINATION

Specialized halogen generator for purification of water
Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 28 N82-12240
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371

CHLOROPRENE RESINS

Flexible fire retardant polysocyanate modified neoprene foam -- for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814

CHOKES

Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154

CHOKES (RESTRICTIONS)

Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270

CHOLESTEROL

Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270

CHROMATOGRAPHY

Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947

CHROMIUM

Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777

CHROMIUM ALLOYS

Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
Nical ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505

CHROMIUM COMPOUNDS

Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672

CHROMOSOMES

Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694

CINEMATOGRAPHY

High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411
Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402

CIRCUIT BOARDS

Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494
Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685
Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13151-1] c 37 N74-32918
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
Connector --- for connecting circuits on different layers of multilayer printed circuit boards
[NASA-CASE-LAR-11709-1] c 37 N76-27567

Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339
Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N83-19969

CIRCUIT BREAKERS

Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MSC-11277] c 09 N71-29008
Multiple circuit protector device
[NASA-CASE-XMS-02744] c 33 N75-27249
Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N82-28785

CIRCUIT DIAGRAMS

Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476
Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140
Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315

CIRCUIT PROTECTION

Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
Electrical load protection device Patent
[NASA-CASE-MSC-12135-1] c 09 N71-12526
Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-23766
Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573

Multiple circuit protector device
[NASA-CASE-XMS-02744] c 33 N75-27249
Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397
Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404

CIRCUITS

Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470
Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958
Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139
Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
Failsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241
Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181
Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
Peak holding circuit for extremely narrow pulses
[NASA-CASE-MSC-14129-1] c 33 N75-18479
High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332
Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
Process for preparing high temperature polyimide film laminates
[NASA-CASE-LAR-12742-1] c 24 N81-12174
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348
Programmable scan/read circuitry for charge coupled device imaging detectors --- for a startracker
[NASA-CASE-NPO-15345-1] c 33 N81-27403
Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N83-17802

CIRCULAR CONES

Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298

CIRCULAR CYLINDERS

Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479

CIRCULAR POLARIZATION

Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595

- Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148
- Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235
- CIRCULAR TUBES**
Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
- CIRCULATORS (PHASE SHIFT CIRCUITS)**
Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097
- Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372
- CLAMPING CIRCUITS**
Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
- CLAMPS**
Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371
- Hydraulic grip Patent
[NASA-CASE-XLA-05100] c 15 N71-17696
- Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- Central spar and module joint Patent
[NASA-CASE-XNP-02341] c 15 N71-21531
- Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994
- Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N82-11470
- Reusable thermal cycling clamp --- holders for directional solidification experiments
[NASA-CASE-LAR-12868-1] c 27 N82-18390
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962
- CLAYS**
Inorganic thermal control pigment Patent
[NASA-CASE-NPO-02139] c 18 N71-24184
- CLEAN ROOMS**
Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
- CLEANERS**
Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
- Noncontaminating swabs
[NASA-CASE-MFS-18100] c 15 N72-11390
- CLEANING**
Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819
- System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724
- CLEAR AIR TURBULENCE**
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- CLEARANCES**
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
- CLEAVAGE**
Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N82-29604
- Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730
- CLIMBING FLIGHT**
Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- CLINICAL MEDICINE**
Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
- Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379
- Automated clinical system for chromosome analysis
[NASA-CASE-NPO-13913-1] c 52 N79-12694
- Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783
- CLIPS**
Low X-ray absorption aneurism clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768
- CLOCKS**
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
- Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
- Fault tolerant clock apparatus utilizing a controlled minority of clock elements
[NASA-CASE-MSC-12531-1] c 35 N75-30504
- Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392
- CLOSED CIRCUIT TELEVISION**
Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14186
- CLOSED CYCLES**
Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
- Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- MHD electrical generator
[NASA-CASE-NPO-15399-1] c 75 N82-24079
- CLOSED ECOLOGICAL SYSTEMS**
Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
- Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750
- Regenerable device for scrubbing breathable air of CO₂ and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722
- Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280
- CLOSURES**
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[NASA-CASE-LEW-11930-4] c 24 N79-17916
Composite seal for turbomachinery --- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388
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[NASA-CASE-LEW-11930-3] c 24 N80-33482

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- Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N82-25384
Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

COMPOSITE PROPELLANTS

- Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119

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- Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780
Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214
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[NASA-CASE-LAR-11898-2] c 24 N78-17149
Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452
Lightweight structural columns --- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258
Graphite/polyimide structural applications
[NASA-CASE-LAR-12547-1] c 24 N82-25324

COMPOSITION (PROPERTY)

- Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393

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- Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409

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- Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246

COMPRESSIBLE FLUIDS

- Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600

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- Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124

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- Pressure transducer
[NASA-CASE-NPO-10832] c 14 N72-21405
Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
Fixture for environmental exposure of structural materials under compression
[NASA-CASE-LAR-12602-1] c 35 N81-19429

COMPRESSION RATIO

- Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N81-29442

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- Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323
Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312

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- Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515

COMPRESSOR ROTORS

COMPRESSOR ROTORS

Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366

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[NASA-CASE-XLA-00377] c 33 N71-17610
Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
A cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N81-19344
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153

COMPUTATION

Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
Ruler for making navigational computations
[NASA-CASE-XNP-01458] c 04 N78-17031

COMPUTER COMPONENTS

Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
Binary to binary coded decimal converter
[NASA-CASE-GSC-12044-1] c 60 N78-17691
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-1] c 60 N80-21987
Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538

COMPUTER DESIGN

Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751

COMPUTER GRAPHICS

System for quantizing graphic displays
[NASA-CASE-NPO-10745] c 08 N72-22164

COMPUTER NETWORKS

High-speed data link for moderate distances and noisy environments
[NASA-CASE-NPO-14152-1] c 32 N80-18252
Common data buffer system --- communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779
Multicomputer communication system
[NASA-CASE-NPO-15433-1] c 62 N83-20634

COMPUTER PROGRAMMING

Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
Priority interrupt system --- comprised of four registers
[NASA-CASE-NPO-13067-1] c 60 N76-18800

COMPUTER PROGRAMS

Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633
Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206

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Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198
Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914
Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N82-11785
Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 64 N83-12932
Distributed multipoint memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-18290

COMPUTER SYSTEMS DESIGN

Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920
Computer interface system
[NASA-CASE-NPO-13428-1] c 60 N77-12721

COMPUTER TECHNIQUES

Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402

COMPUTERIZED SIMULATION

Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507
Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855
Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N82-29331

COMPUTERS

Telemetry word forming unit
[NASA-CASE-NPO-09225] c 09 N69-24333
Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207

CONCAVITY

Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003

CONCENTRATORS

Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583
Non-tracking solar energy collector system
[NASA-CASE-NPO-13817-1] c 44 N79-11471
Solar cell module
[NASA-CASE-NPO-14487-1] c 44 N79-31753
Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518

CONCENTRIC SPHERES

Method and apparatus for producing concentric hollow spheres --- inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
Method and apparatus for producing concentric hollow spheres --- for nuclear fusion by inertial confinement
[NASA-CASE-NPO-14596-2] c 31 N82-25401
Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-3] c 27 N82-26461

CONDENSATES

Apparatus for testing polymenc materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139

CONDENSERS (LIQUEFIERS)

Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139

CONDENSING

Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300
Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 44 N83-12525

CONDUCTING FLUIDS

Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084
Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686

CONDUCTIVE HEAT TRANSFER

Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502

SUBJECT INDEX

Automatic thermal switch
[NASA-CASE-GSC-12553-1] c 33 N80-21671
Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419

CONDUCTORS

Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
Method for making conductors for ferrie memory arrays --- from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032

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Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475

CONFINEMENT

Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265

CONICAL BODIES

Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130

CONICAL SCANNING

Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214

CONICAL SHELLS

Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722

CONJUGATES

Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210

CONNECTORS

Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539
Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789
Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389
Process for making RF shielded cable connector assemblies and the products formed thereby
[NASA-CASE-GSC-11215-1] c 09 N73-28083
Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225

CONSCIOUSNESS

EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729

CONSISTENCY

Improved constant-output atomizer
[NASA-CASE-MFS-25631-1] c 34 N82-10360

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Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310

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Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417

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Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512
Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
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[NASA-CASE-LAR-10129-2] c 37 N74-20063
Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662

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Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N81-12283

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Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454
Foldable construction block
[NASA-CASE-MSC-12233-2] c 32 N73-13921

CONTACT POTENTIALS

Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408

CONTAINERLESS MELTS

Method of crystallization --- in gravity-free environments
[NASA-CASE-MFS-23001-1] c 76 N77-32919

Containerless melting and rapid solidification apparatus and method
[NASA-CASE-MFS-25305-1] c 35 N81-16427

Method and apparatus for supercooling and solidifying substances — containerless melts and space processing
[NASA-CASE-MFS-25242-1] c 35 N81-24413

Gas levitator and method for containerless processing
[NASA-CASE-MFS-25509-1] c 34 N82-10359

Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890

CONTAINERS

Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835

Method for detecting leaks in hermetically sealed containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910

Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397

CONTAINMENT

Hemispherical latching apparatus for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31398

CONTAMINANTS

Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089

Moisture content and gas sampling device — to test hermetically sealed electronic equipment
[NASA-CASE-MSC-18866-1] c 35 N82-26634

Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 45 N83-20446

CONTAMINATION

Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871

Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372

Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413

Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527

CONTINUOUS RADIATION

CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12018-1] c 39 N78-15512

Pseudo continuous wave instrument — ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390

Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N81-22036

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High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364

Continuous plasma laser — method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416

Stark effect spectrophotometer for continuous absorption spectra monitoring — a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589

CONTINUOUS WAVE RADAR

Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680

FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264

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Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586

Contourograph system for monitoring electrocardiograms
[NASA-CASE-MSC-13407-1] c 10 N72-20225

Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423

Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904

Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724

Contour measurement system
[NASA-CASE-MFS-23726-1] c 43 N79-26439

Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

Surface conforming thermal/pressure seal — tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408

Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324

CONTROL

Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191

Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755

Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175

Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395

Television camera video level control system — space shuttle orbiters
[NASA-CASE-MSC-18578-1] c 74 N82-27121

Control means for a solid state crossbar switch
[NASA-CASE-NPO-15066-1] c 33 N82-29538

CONTROL BOARDS

Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090

CONTROL DATA (COMPUTERS)

Computer interface system
[NASA-CASE-NPO-13428-1] c 60 N77-12721

CONTROL EQUIPMENT

Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772

Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687

Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570

Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809

Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043

Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092

Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434

Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741

System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150

Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201

Synchronous orbit battery cyclizer
[NASA-CASE-GSC-11211-1] c 03 N72-25020

Infinite range electronics gain control circuit
[NASA-CASE-GSC-10786-1] c 10 N72-28241

Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463

Digital controller for a Baum folding machine — providing automatic counting and machine shutoff
[NASA-CASE-LAR-10688-1] c 37 N74-21056

Flow control valve — for high temperature fluids
[NASA-CASE-NPO-11951-1] c 37 N74-21065

Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041

Anthropomorphic master/slave manipulator system
[NASA-CASE-ARC-10756-1] c 54 N77-32721

Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376

Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384

Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913

Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890

Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686

Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718

Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449

Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-17805

CONTROL ROCKETS

Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504

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Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740

CONTROL SIMULATION

Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

CONTROL STABILITY

Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115

Apparatus for damping operator induced oscillations of a controlled system — flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493

CONTROL SURFACES

Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859

Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855

Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

Thermal barrier pressure seal — shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15383

CONTROL UNITS (COMPUTERS)

Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633

CONTROL VALVES

Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185

Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867

Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859

Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654

Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332

Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432

Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459

Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20846

Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185

Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487

Fluid valve assembly
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Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468

Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654

Pressure control valve — inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433

Electrical servo actuator bracket — fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483

Method and system for nuclear waste disposal — control valves for encapsulating wastes
[NASA-CASE-NPO-15454-1] c 73 N82-12916

Slow opening valve
[NASA-CASE-NPO-20112-1] c 37 N82-28641

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Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737

High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518

Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875

Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N82-23031

CONTROLLERS

Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279

Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073

Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255

Solid state controller three axes controller
[NASA-CASE-MSC-12394-1] c 08 N74-10942

Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340

Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719

Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432

Controller for computer control of brushless dc motors — automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352

Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449

Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360

Trac failure detector
[NASA-CASE-MFS-25607-1] c 33 N82-26574

Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098

Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N83-17804

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CONVECTIVE FLOW

- Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
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[NASA-CASE-NPO-15021-1] c 36 N83-10417

CONVECTIVE HEAT TRANSFER

- Thin film gauge --- for measuring convective heat transfer
rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095

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- Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439

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- Nozzle extraction process and handmeter for
measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246

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- Gimballed, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
Combustion chamber Patent
[NASA-CASE-XLE-04857] c 28 N71-23968
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
Wind tunnel supplementary Mach number minimum
section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

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- Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391

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- System and method for refurbishing and processing
parachutes --- monoval conveyor system
[NASA-CASE-KSC-11042-2] c 02 N81-26073
Acoustic system for material transport
[NASA-CASE-NPO-15453-1] c 71 N82-12889
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

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- Radiative cooler
[NASA-CASE-NPO-15465-1] c 18 N82-10106
Stirling cycle cryogenic cooler --- magnetically
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[NASA-CASE-GSC-12697-1] c 31 N82-11312

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[NASA-CASE-MFS-20333] c 09 N71-13486
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[NASA-CASE-GSC-10891-1] c 10 N71-26626
Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
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[NASA-CASE-NPO-13147-1] c 36 N77-25502
Heating and cooling system --- for fatigue test
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[NASA-CASE-LAR-12393-1] c 39 N80-25693
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[NASA-CASE-LAR-12588-1] c 44 N81-24525
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[NASA-CASE-GSC-12812-1] c 44 N83-12525
Steam cooled nch-burn combustor liner
[NASA-CASE-LCW-13609-1] c 25 N83-17628

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- Automatic thermal switch Patent
[NASA-CASE-XNP-03796] c 23 N71-15467
Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
Power system with heat pipe liquid coolant lines
Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
Self-adjusting multisegment, deployable, natural
circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046
Heat conductive resiliently compressible structure for
space electronics package modules Patent
[NASA-CASE-MS-12389] c 33 N71-29052
Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
Light shield and cooling apparatus --- high intensity
ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066
Refrigerated coaxial coupling --- for microwave
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[NASA-CASE-NPO-13504-1] c 33 N75-30430
Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191

- Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
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[NASA-CASE-LEW-12830-1] c 07 N77-23106
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[NASA-CASE-LEW-12321-1] c 37 N78-10467
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[NASA-CASE-LEW-11981-1] c 31 N78-17237
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[NASA-CASE-NPO-13839-1] c 31 N78-25256
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[NASA-CASE-ARC-11059-1] c 54 N78-32721
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[NASA-CASE-LEW-12252-1] c 34 N79-13288
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[NASA-CASE-NPO-14340-1] c 45 N80-14579
Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 44 N81-24525
Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114
Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 33 N81-29344
Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 34 N82-10358

COORDINATES

- Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907
Lighting tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056

COPOLYMERIZATION

- Chemical approach for controlling nadamide cure
temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N83-13258

COPOLYMERS

- Method of producing alternating ether siloxane
copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MS-14903-3] c 27 N80-24438
Insoluble polyelectrolyte and ion-exchange hollow fiber
impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
Alkaline battery containing a separator of a cross-linked
copolymers of vinyl alcohol and unsaturated carboxylic
acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N83-14275

COPPER

- Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903
Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
Method for making an aluminum or copper substrate
panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469

COPPER ALLOYS

- Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
Thin film strain transducer --- for strain monitoring of
high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632

COPPER COMPOUNDS

- Simple method of making photovoltaic junctions
Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127

COPPER FLUORIDES

- Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093

CORDAGE

- Method of forming a root cord restrained convolute
section
[NASA-CASE-MS-12398] c 05 N72-20098

CORE STORAGE

- Semiconductor-ferroelectric memory device
[NASA-CASE-ERC-10307] c 08 N72-21198

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- Method of making rolling element bearings
[NASA-CASE-LEW-11087-2] c 37 N74-15128
Electromagnetic transducer recording head having a
laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
Superplastically formed diffusion bonded metallic
structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

CORK (MATERIALS)

- Cork-resin ablative insulation for complex surfaces and
method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

CORRECTION

- Doppler frequency spread correction device for multiplex
transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978

CORRELATION

- Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968

CORRELATION DETECTION

- Correlation type phase detector --- with time correlation
integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359

CORRELATORS

- Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
Baseband signal combiner for large aperture antenna
array
[NASA-CASE-NPO-14641-1] c 32 N81-29308
A pipelined digital SAR azimuth correlator using hybrid
FFT/transversal-filter
[NASA-CASE-NPO-15519-1] c 32 N82-12298
Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323

CORROSION

- Method of neutralizing the corrosive surface of
amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N82-10227

CORROSION PREVENTION

- Method of coating carbonaceous base to prevent
oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
Method of inhibiting stress corrosion cracks in titanium
alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
Prevention of hydrogen embrittlement of high strength
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hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203
Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
Method of protecting a surface with a
silicon-slurry/aluminate coating --- coatings for gas turbine
engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596

CORROSION RESISTANCE

- High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
Solder flux which leaves corrosion-resistant coating
Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025
Soldering with solder flux which leaves corrosion
resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
Method of making bearing material
[NASA-CASE-LEW-11930-3] c 24 N80-33482
Corrosion resistant thermal barrier coating --- protecting
gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
Covering solid, film cooled surfaces with a duplex thermal
barrier coating
[NASA-CASE-LEW-13450-1] c 34 N82-25463

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- Superplastically formed diffusion bonded metallic
structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

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- Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539

Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

COSINE SERIES

Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716

COSMIC DUST

Cosmic dust sensor
[NASA-CASE-GSC-10503-1] c 14 N72-20381
Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
Cosmic dust analyzer
[NASA-CASE-MS-C-13802-2] c 35 N76-15431

COST ANALYSIS

Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460

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An improved synthesis of 2,4,8,10-tetroxaspiro (5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472

COUCHES

Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
Energy absorbing structure Patent Application
[NASA-CASE-MS-C-12279-1] c 15 N70-35679
Articulated multiple couch assembly Patent
[NASA-CASE-MS-C-11253] c 05 N71-12343
Collapsible Apollo couch
[NASA-CASE-MS-C-13140] c 05 N72-11085

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[NASA-CASE-XGS-05434] c 03 N71-20491
Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719
State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630

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[NASA-CASE-XNP-06234] c 10 N71-27137
Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
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[NASA-CASE-LAR-12474-1] c 35 N82-26628
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[NASA-CASE-LAR-12709-1] c 35 N82-28604

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Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
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[NASA-CASE-XGS-03095] c 09 N69-27463
Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
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[NASA-CASE-XGS-01473] c 09 N71-10673
Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797
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[NASA-CASE-XNP-08836] c 09 N71-12515
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[NASA-CASE-XGS-02440] c 08 N71-19432
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[NASA-CASE-XMS-02399] c 05 N71-22896
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[NASA-CASE-XNP-01753] c 08 N71-22897
Noninterruptible digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891
Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MS-C-14649-1] c 33 N76-16331
Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706

COUPLING

Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846
Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454

Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568

COUPLING CIRCUITS

Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547
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[NASA-CASE-GSC-10220-1] c 07 N71-27233
Phase modulator Patent
[NASA-CASE-MS-C-13201-1] c 07 N71-28429
Signal path series step biased multidevice high efficiency amplifier Patent
[NASA-CASE-GSC-10668-1] c 07 N71-28430
Automatic quadrature control and measuring system --- using optical coupling circuitry
[NASA-CASE-MS-C-12660-1] c 35 N74-21017
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422

COUPLINGS

Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927
Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
Quick release separation mechanism Patent
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Quick attach and release fluid coupling assembly Patent
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Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805
Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
Refingerated coaxial coupling --- for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320
Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
Reusable captive blind fastener
[NASA-CASE-MS-C-18742-1] c 37 N82-26673
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Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129

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Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

CRACKING (FRACTURING)

Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387

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Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714

CRASH LANDING

Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16609-3] c 03 N76-32140

CREEP RUPTURE STRENGTH

Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026

CRITICAL EXPERIMENTS

Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372

CRITICAL TEMPERATURE

Stable superconducting magnet --- high current levels below critical temperature
[NASA-CASE-XMF-05373-1] c 33 N79-21264

CROSS CORRELATION

Cross correlation anomaly detection system
[NASA-CASE-NPO-13283] c 38 N78-17395

Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N82-26890

CROSS FLOW

Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

CROSS POLARIZATION

Adaptive polarization separation
[NASA-CASE-LAR-12196-1] c 33 N81-26358

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Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267
Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134
Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562

CROSSLINKING

Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
Polymers from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-13232
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516
Thermoset-thermoplastic aromatic polyamides
[NASA-CASE-LAR-12723-1] c 27 N81-15107
Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259
The 1,2,4-oxadiazole elastomers --- heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262
In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N82-26463
Polyvinyl alcohol cross-linked with two aldehydes
[NASA-CASE-LEW-13504-1] c 25 N83-13188
Polyvinyl alcohol cross-linked with 2 aldehydes
[NASA-CASE-LEW-13524-1] c 27 N83-15465
Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590
Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

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[NASA-CASE-LEW-11881-1] c 33 N77-17354
Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570

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An instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N81-31529

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Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
Multi-computer multiple data path hardware exchange system
[NASA-CASE-NPO-13422-1] c 60 N76-14818
Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913

DATA MANAGEMENT

Selective data segment monitoring system — using shift registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760

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Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
Pseudonoise (PN) synchronization of data system with demodulation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084
Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
Charge-coupled device data processor for an airborne imaging radar system
[NASA-CASE-NPO-13587-1] c 32 N77-32342
Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MS-C-16253-1] c 32 N79-20297
High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814
Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 64 N83-12932

DATA PROCESSING EQUIPMENT

Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
Variable digital processor including a register for shifting and rotating bits in either direction Patent
[NASA-CASE-GSC-10186] c 08 N71-33110
Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172
Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187
Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176

Space communication system for compressed data with a concatenated Reed-Solomon-Viterbi coding channel
[NASA-CASE-NPO-13545-1] c 32 N77-12240
High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814

DATA RECORDERS

Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119
Recorder/processor apparatus — for optical data processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831

DATA RECORDING

System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
On-film optical recording of camera lens settings
[NASA-CASE-MS-C-12363-1] c 14 N73-26431
Image data rate converter having a drum with a fixed head and a rotatable head
[NASA-CASE-NPO-11659-1] c 35 N74-11283
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946

DATA REDUCTION

Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707
Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154
Digital slope threshold data compressor
[NASA-CASE-NPO-11630] c 08 N72-33172

DATA RETRIEVAL

Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
Asynchronous, multiplexing, single line transmission and recovery data system — for satellite use
[NASA-CASE-NPO-13321-1] c 32 N75-26195

DATA SAMPLING

Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396

DATA SMOOTHING

Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417

DATA STORAGE

Data handling system based on source significance, storage availability and data received from the source Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675
Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006
System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042

SUBJECT INDEX

Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131
Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
Data storage, image tube type
[NASA-CASE-MS-C-14053-1] c 60 N74-12888
Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337

DATA SYSTEMS

Data handling system based on source significance, storage availability and data received from the source Patent Application
[NASA-CASE-XNP-04162-1] c 08 N70-34675
Rate augmented digital to analog converter Patent
[NASA-CASE-XLA-07828] c 08 N71-27057
Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MS-C-14070-1] c 32 N74-32598

DATA TRANSMISSION

Telemetry word forming unit
[NASA-CASE-NPO-09225] c 09 N69-24333
Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
Data compression processor Patent
[NASA-CASE-NPO-10068] c 08 N71-19288
Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405
Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
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[NASA-CASE-NPO-11243] c 07 N72-20154
Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121
Automated attendance accounting system
[NASA-CASE-NPO-11456] c 08 N73-26176
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308
Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221
Retinally stabilized differential resolution television display
[NASA-CASE-JPO-15432-1] c 32 N83-12308
A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13008-1] c 17 N83-20995

DAWSONITE

Synthesis of dawsonites
[NASA-CASE-ARC-113261-1] c 25 N80-31490

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Counter pumping debris excluder and separator — gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090

DECAY RATES

Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269

DECELERATION

Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Discrete local altitude sensing device Patent
[NASA-CASE-XMS-03792] c 14 N70-41812
Hot air balloon deceleration and recovery system Patent
[NASA-CASE-XLA-06824-2] c 02 N71-11037
Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227

DECIMALS

High speed direct binary to binary coded decimal converter and scaler
[NASA-CASE-KSC-10595] c 08 N73-12176

DECISION MAKING

Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598

DECODERS

Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407
Compact bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371
Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249
Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
Decommutator patchboard venfier
[NASA-CASE-KSC-11065-1] c 33 N81-26359

DECODING

Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741
Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177
Method and apparatus for decoding compatible convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598
Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239

DECOMMUTATORS

Memory-based parallel data output controller
[NASA-CASE-GSC-12447-1] c 60 N80-21987
Decommutator patchboard venfier
[NASA-CASE-KSC-11065-1] c 33 N81-26359

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Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499
Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
Plasma cleaning device --- designed for high vacuum environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913

DEEP SPACE NETWORK

Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229

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Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447

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Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809
Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138

DEFLECTORS

Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788
Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
Exhaust flow deflector --- for ducted gas flow
[NASA-CASE-LAR-11570-1] c 34 N76-18364
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

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Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605

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Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500

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Deaerator/mixer for liquids
[NASA-CASE-MSC-18936-1] c 25 N82-22329

DEGREES OF FREEDOM

Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
Kinesthetic control simulator --- for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662

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Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465

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Modification of the physical properties of freeze-dried food
[NASA-CASE-MSC-13540-1] c 05 N72-33096
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856

DELAY CIRCUITS

Pulsed differential comparator circuit Patent
[NASA-CASE-XLE-03804] c 10 N71-19471
Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179

DELAY LINES

A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900

DELTA MODULATION

Multifunction audio digitizer --- producing direct delta and pulse code modulation
[NASA-CASE-MSC-13855-1] c 35 N74-17885

DELTA WINGS

Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986

DEMAGNETIZATION

Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

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Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338

DEMULATORS

Telemetry word forming unit
[NASA-CASE-XNP-09225] c 09 N69-24333
Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282
Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298
Demodulation system Patent
[NASA-CASE-XAC-04030] c 10 N71-19472
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[NASA-CASE-XLA-03410] c 16 N71-25914
Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696
Full wave modulator-demodulator amplifier apparatus --- for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
Unbalanced quadrature demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
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[NASA-CASE-LAR-12638-1] c 44 N82-24716
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A method of increasing minority carrier lifetime in silicon web or the like --- VLSI semiconductor devices and high performance solar cells
[NASA-CASE-NPO-15530-1] c 76 N82-24993

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Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171

DENSITOMETERS

Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271

DENSITY (MASS/VOLUME)

A stable density-stratification solar pond
[NASA-CASE-NPO-15419-1] c 44 N81-27599
Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454

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Apparatus for increasing ion engine beam density Patent
[NASA-CASE-XLE-00519] c 28 N70-41576
Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector --- for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958

DENSITY MEASUREMENT

Apparatus having coaxial capacitor structure for measuring fluid density Patent
[NASA-CASE-XLE-00143] c 14 N70-36618
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
Determining particle density using known material Hugoniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810
Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 31 N82-26503

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Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072
Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

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Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138

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Minimech self-deploying boom mechanism
[NASA-CASE-GSC-10566-1] c 15 N72-18477
Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874
Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272
Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157

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[NASA-CASE-XNP-00595] c 15 N70-34967
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[NASA-CASE-MFS-20675] c 26 N73-26751
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[NASA-CASE-LEW-10906-1] c 25 N74-30502

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Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 31 N82-26503

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Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844

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Airfoil shape for flight at subsonic speeds --- design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154
Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717

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Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N81-22048

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Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503

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Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246
Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 28 N82-12240
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[NASA-CASE-NPO-14542-1] c 25 N82-23282
Autocatalytic coal liquefaction process
[NASA-CASE-NPO-14876-2] c 28 N82-25394
Coal desulfurization by aqueous chlorination
[NASA-CASE-NPO-14902-1] c 25 N82-29371

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Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-28240
Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696

- Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
Short range laser obstacle detector --- for surface vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145
Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612
Method and device for destructive detection of a substance --- useful in determining the concentration of carbon fibers or pollutant particles
[NASA-CASE-NPO-11940-1] c 35 N80-21723
Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
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Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821
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[NASA-CASE-ERC-10045] c 15 N71-24910
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
Combustion detector
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Multiple pass reimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
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[NASA-CASE-LAR-10483-1] c 14 N73-32327
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[NASA-CASE-LAR-10295-1] c 35 N74-21062
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[NASA-CASE-ARC-10322-1] c 35 N76-18403
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[NASA-CASE-MFS-23725-1] c 43 N79-31706
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[NASA-CASE-MSC-13530-2] c 23 N75-14834
- DETONATION**
Optically detonated explosive device
[NASA-CASE-NPO-11743-1] c 28 N74-27425
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Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
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Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
Deuterium pass through target --- neutron emitting target
[NASA-CASE-LEW-11866-1] c 72 N76-15860
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[NASA-CASE-NPO-14596-3] c 27 N82-26461
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Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
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[NASA-CASE-NPO-14402-1] c 52 N81-27783
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Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235
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[NASA-CASE-LAR-12638-1] c 44 N82-24716
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Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
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Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717
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[NASA-CASE-XMF-03074] c 06 N71-24740
Siloxane containing epoxide compounds
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[NASA-CASE-MFS-20829] c 12 N72-21310

Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779

Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178

Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853

Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466

Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856

DISPERSING

Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911

Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 34 N82-24448

DISPERSIONS

Preparation of alkali metal dispersions
[NASA-CASE-XNP-08976] c 17 N73-28573

DISPLACEMENT

Bi-metallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126

DISPLACEMENT MEASUREMENT

Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180

Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999

Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740

Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364

Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338

Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072

DISPLAY DEVICES

Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507

Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421

Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603

Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571

Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882

Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175

BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890

Noninterruptible digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891

Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544

Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519

System for quantizing graphic displays
[NASA-CASE-NPO-10745] c 08 N72-22164

Digital video display system using cathode ray tube
[NASA-CASE-NPO-11342] c 09 N72-25248

Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842

Display system
[NASA-CASE-ERC-10350] c 14 N73-20474

Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143

Recorder/processor apparatus --- for optical data processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831

Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813

Load measuring and indicator apparatus --- for aircraft
[NASA-CASE-ARC-10806] c 06 N74-27872

X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517

Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882

Particle parameter analyzing system --- x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293

Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357

Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083

Chromatically corrected virtual image display --- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892

Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580

System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856

Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185

System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station
[NASA-CASE-GSC-12411-1] c 33 N81-14221

Real-time 3D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N82-10862

System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075

Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212

Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996

DISSIPATION

Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626

DISSOCIATION

Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607

DISSOLVING

Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458

DISTANCE

Optical distance measuring instrument
[NASA-CASE-12761-1] c 74 N83-13982

DISTANCE MEASURING EQUIPMENT

Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209

Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175

Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

DISTILLATION EQUIPMENT

Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086

Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184

Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

DISTRIBUTED AMPLIFIERS

Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415

DISTRIBUTED PROCESSING

Distributed multipoint memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-18290

DISTRIBUTION (PROPERTY)

Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 45 N83-20446

DISTRIBUTORS

High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332

DIVERGENT NOZZLES

Jet exhaust noise suppressor
[NASA-CASE-LEW-11286-1] c 07 N74-27490

DIVERTERS

Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468

DIVIDERS

A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836

DOCUMENT STORAGE

File card marker Patent
[NASA-CASE-XLA-02705] c 08 N71-15908

DOORS

Emergency escape system Patent
[NASA-CASE-MS-C-12086-1] c 05 N71-12345

Fiberglass/epoxy composite automotive door structure including a glass-reinforced intrusion strip
[NASA-CASE-NPO-15057-1] c 24 N81-19230

CAM controlled retractable door latch
[NASA-CASE-MS-C-20304-1] c 37 N82-31690

DOPPLER EFFECT

Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978

Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212

Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174

Doppler shift system --- system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-19310

Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510

An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194

Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502

Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975

DOPPLER RADAR

Cooperative Doppler radar system Patent
[NASA-CASE-LAR-10403] c 21 N71-11766

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N80-32607

Doppler radar having phase modulation of both transmitted and reflected return signals --- ranging
[NASA-CASE-MS-C-18675-1] c 32 N81-29312

DOSIMETERS

Dosimeter for high levels of absorbed radiation Patent
[NASA-CASE-XLA-03645] c 14 N71-20430

Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311

DRAG CHUTES

Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863

Lightweight, variable solidity knitted parachute fabric --- for aerodynamic decelerators
[NASA-CASE-LAR-10776-1] c 02 N74-10034

DRAG MEASUREMENT

Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386

Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410

Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411

Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092

System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300

Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057

DRAG REDUCTION

Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856

Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825

Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660

Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016

Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

DRIFT (INSTRUMENTATION)

Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986

Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239

Failure detection and control means for improved drift performance of a gimballed platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175

DRILL BITS

Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034

Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186

DRILLING

Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 37 N80-29705

DRILLS

Rock drill for recovering samples
[NASA-CASE-MFP-07478] c 14 N69-21923

Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321

DRIVES

Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126

DROP TOWERS

Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

DROPS (LIQUIDS)

Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478

DRUGS

Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086

DRYING

Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489

Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484

DRYING APPARATUS

Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080

DUCTED FANS

Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095

DUCTILITY

Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540

DUCTS

Duct coupling for single-handed operation Patent
[NASA-CASE-MFS-20395] c 15 N71-24903

Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460

Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583

DURABILITY

Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717

DUST COLLECTORS

Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819

DYE LASERS

Infrared tunable laser
[NASA-CASE-ARC-10463-1] c 09 N73-32111

Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655

DYES

Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170

Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432

DYNAMIC CHARACTERISTICS

Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681

Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397

Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358

DYNAMIC CONTROL

Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369

Systems for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N82-11861

DYNAMIC LOADS

Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481

Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878

Impact monitoring apparatus
[NASA-CASE-MS-C-15626-1] c 14 N72-25411

DYNAMIC MODULUS OF ELASTICITY

Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993

DYNAMIC RESPONSE

Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786

Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387

Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134

Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095

DYNAMIC STRUCTURAL ANALYSIS

Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440

DYNAMIC TESTS

Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677

Hydraulic support for dynamic testing Patent
[NASA-CASE-XMC-03248] c 11 N71-10604

DYNAMOMETERS

Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203

Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429

E**EAR**

Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185

EARTH ATMOSPHERE

Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991

EARTH CRUST

Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679

EARTH ORBITS

High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215

A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884

ECCENTRICS

Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

ECHLETTE GRATINGS

Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635

ECHOES

Miniature implantable ultrasonic echosonometer
[NASA-CASE-ARC-11035-1] c 52 N79-18580

Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

EDDY CURRENTS

Apparatus and method for inspecting a bearing ball --- eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316

EDGES

Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

EFFICIENCY

Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062

High efficiency multifrequency feed
[NASA-CASE-GSC-11909] c 32 N74-20863

EFFLUENTS

Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423

Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MS-C-16841-1] c 34 N79-24285

EGRESS

Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 03 N81-29107

EJECTION

Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502

EJECTION SEATS

Device for separating occupant from an ejection seat
Patent
[NASA-CASE-XMS-04625] c 05 N71-20718

EJECTORS

Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996

Device for separating occupant from an ejection seat
Patent
[NASA-CASE-XMS-04625] c 05 N71-20718

Latch/ejector unit Patent
[NASA-CASE-XLA-03538] c 15 N71-24897

Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-15791-1] c 37 N82-33712

ELASTIC BODIES

Belleville spring assembly with elastic guides
[NASA-CASE-XNP-00452] c 15 N69-27504

Means for suppressing or attenuating bending motion of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971

Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865

ELASTIC DEFORMATION

Instrument for measuring torsional creep and recovery
Patent
[NASA-CASE-XLE-01481] c 14 N71-10781

Means for suppressing or attenuating bending motion of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971

ELASTIC MEDIA

Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156

ELASTIC PROPERTIES

Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947

Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611

Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254

Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076

Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615

ELASTIC SHEETS

Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803

ELASTOMERS

Metal valve pintle with encapsulated elastomeric body
Patent
[NASA-CASE-MSC-12116-1] c 15 N71-17648

Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489

Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717

Bonded elastomeric seal for electrochemical cells
Patent
[NASA-CASE-XGS-02631] c 03 N71-23006

Conductive elastomeric extensometer
[NASA-CASE-MFS-21049-1] c 52 N74-27864

Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575

Method of making hollow elastomeric bodies
[NASA-CASE-NPO-13535-1] c 37 N76-31524

Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MSC-14331-3] c 27 N78-32262

Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514

Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515

Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104

Process for the preparation of fluorene containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259

The 1,2,4-oxadiazole elastomers --- heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262

Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256

Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447

Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238

Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338

Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340

Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N82-25384

Improved process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462

Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276

ELECTRIC ARCS

Electric arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540

Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814

Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913

Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628

Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816

Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987

High powered arc electrodes --- producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913

Electric arc light source having undercut recessed anode
[NASA-CASE-ARC-10266-1] c 33 N75-29318

ELECTRIC BATTERIES

Spacecraft battery seals
[NASA-CASE-XGS-03864] c 15 N69-24320

Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051

Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438

Coulometer and third electrode battery charging circuit Patent
[NASA-CASE-GSC-10487-1] c 03 N71-24719

Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579

Synchronous orbit battery cycler
[NASA-CASE-GSC-11211-1] c 03 N72-25020

Storage battery comprising negative plates of a wedge shaped configuration --- for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693

Battery testing device --- for testing cells of multiple-cell battery
[NASA-CASE-MFS-20761-1] c 44 N74-27519

Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601

Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643

Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664

Voltage regulator for battery power source --- using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345

In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257

State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630

ELECTRIC BRIDGES

Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200

Infinite range electronics gain control circuit
[NASA-CASE-GSC-10788-1] c 10 N72-28241

Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041

Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320

Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494

ELECTRIC CELLS

Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539

Heat activated cell with alkali anode and alkali salt electrolyte Patent
[NASA-CASE-LEW-11358] c 03 N71-26084

Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044

ELECTRIC CHARGE

Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407

Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605

State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630

ELECTRIC CHOPPERS

Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221

Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295

ELECTRIC COILS

Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462

A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633

ELECTRIC CONDUCTORS

Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542

Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545

Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610

Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618

Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447

Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406

Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666

Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396

Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397

Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084

ELECTRIC CONNECTORS

Connector - Electrical
[NASA-CASE-XLA-01288] c 09 N69-21470

Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926

Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927

Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431

Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734

Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737

Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596

Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494

Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960

Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986

Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851

Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087

Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354

Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783

Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455

Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200

Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256

Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053

Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225

Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977

Connector --- for connecting circuits on different layers of multilayer printed circuit boards
[NASA-CASE-LAR-11709-1] c 37 N76-27567

Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738

Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772

Electrical self-aligning connector
[NASA-CASE-MFS-25211-1] c 33 N80-32651

Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359

ELECTRIC CONTACTS

- Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
- Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
- Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
- Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
- Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
- Electrostatic measurement system --- for contact-electrifying a dielectric
[NASA-CASE-MFS-22129-1] c 33 N75-18477
- Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579

ELECTRIC CONTROL

- Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- Energy saving electrical motor control system
[NASA-CASE-MFS-25560-1] c 33 N82-30472

ELECTRIC CURRENT

- Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
- Electrical load protection device Patent
[NASA-CASE-MSC-12135-1] c 09 N71-12526
- Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530
- Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087
- Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
- Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
- Protection of sensibly connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354
- Color television systems using a single gun color cathode ray tube Patent
[NASA-CASE-ERC-10098] c 09 N71-28618
- Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
- High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N72-17155
- Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
- Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
- Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
- Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249
- Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
- Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487
- Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
- Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377
- Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
- Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337
- Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
- Lightning current detector
[NASA-CASE-KSC-11057-1] c 33 N79-14305
- Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280

ELECTRIC DISCHARGES

- Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249
- High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518

- Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
- Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
- Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286

ELECTRIC ENERGY STORAGE

- Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
- Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664
- Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
- Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
- Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
- Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521

ELECTRIC EQUIPMENT

- Ac power amplifier Patent Application
[NASA-CASE-LAR-10218-1] c 09 N70-34559
- Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
- High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
- Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
- Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901
- Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085
- Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
- Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139
- Solar energy powered heliotrope
[NASA-CASE-GSC-10945-1] c 21 N72-31637
- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
- Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929
- Sprag solenoid brake --- development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976
- Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
- Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140

ELECTRIC EQUIPMENT TESTS

- Test fixture for pellet-like electrical elements
[NASA-CASE-XNP-06032] c 09 N69-21926
- Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
- High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842

ELECTRIC FIELD STRENGTH

- Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
- Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086
- Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790
- Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843

ELECTRIC FIELDS

- Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-00755] c 01 N71-13410
- Minimum induced drag airfoil body Patent
[NASA-CASE-XLA-05828] c 01 N71-13411
- Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421
- Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699
- Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678

- Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
- Electric field measuring and display system --- for cloud formations
[NASA-CASE-KSC-10731-1] c 33 N74-27862
- Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779

ELECTRIC FILTERS

- Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806
- RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
- Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10182] c 09 N72-21245
- Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
- Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171

ELECTRIC FUSES

- Electrical load protection device Patent
[NASA-CASE-MSC-12135-1] c 09 N71-12526
- Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796
- Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393

ELECTRIC GENERATORS

- Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
- Generator for a space power system Patent
[NASA-CASE-XLE-04250] c 09 N71-20446
- Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
- Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049
- Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
- High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248
- Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114-2] c 09 N71-24807
- RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
- Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139
- Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
- Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
- Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203
- Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252
- A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
- Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109
- Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
- Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
- Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387
- Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
- Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
- Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
- Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421

ELECTRIC IGNITION

Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779

ELECTRIC MOTOR VEHICLES

Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776

ELECTRIC MOTORS

Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712
Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10877
Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
Detent servo motor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861
Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999
Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092
Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886
Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244
Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107
Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386
Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314
Controller for computer control of brushless dc motors — automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
A simplified power factor controller with increased energy saving circuit
[NASA-CASE-MFS-25323-1] c 33 N82-12349
Linear magnetic motor/generator — to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
Energy saving electrical motor control system
[NASA-CASE-MFS-25560-1] c 33 N82-30472

ELECTRIC NETWORKS
Condition and duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11118-1] c 33 N82-24420

ELECTRIC POTENTIAL
Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
Positive dc to positive dc converter Patent
[NASA-CASE-XMF-14301] c 09 N71-23188
Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
Load-insensitive electrical device
[NASA-CASE-XER-11046] c 09 N72-22203

Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204
Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429

Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551
Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348

Method and apparatus for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N82-12739
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397
Method for determining the point of zero zeta potential of semiconductor materials
[NASA-CASE-LAR-12893-1] c 33 N82-26573
Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335

Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N83-17804
Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996

ELECTRIC POWER
Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376
Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296
Electrical power generating system — for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280

ELECTRIC POWER PLANTS
Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542

ELECTRIC POWER SUPPLIES
Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048
Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228
Powerplexer
[NASA-CASE-MSC-12396-1] c 03 N73-31988
Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294

ELECTRIC POWER TRANSMISSION
Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803
Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
Powerplexer
[NASA-CASE-MSC-12396-1] c 03 N73-31988
Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944

ELECTRIC PROPULSION
Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844

ELECTRIC PULSES
Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
Variable pulse width multiplier Patent
[NASA-CASE-XLA-02850] c 09 N71-20447
Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993
Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent
[NASA-CASE-XGS-03427] c 10 N71-23029
Variable width pulse integrator Patent
[NASA-CASE-XLA-03356] c 10 N71-23315
Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109

Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N82-24428

ELECTRIC RELAYS

Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MSC-11277] c 09 N71-29008
Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625

ELECTRIC ROCKET ENGINES

Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822

ELECTRIC STIMULI

Tread drum for animals — having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733

ELECTRIC SWITCHES

Thermionic double switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
Plural position switch status and operativeness checker Patent
[NASA-CASE-XLA-08799] c 10 N71-27272
Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960
Cyclic switch Patent
[NASA-CASE-LEW-10155-1] c 09 N71-29035
Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
Fused switch
[NASA-CASE-XMS-01244-1] c 33 N79-33393
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418

ELECTRIC TERMINALS
Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734
Electrical connector for flat cables Patent
[NASA-CASE-XMF-00324] c 09 N70-34596
Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685
Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
Radio frequency filter device
[NASA-CASE-XLA-02609] c 09 N72-25256
Device for configuring multiple leads — method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977

ELECTRIC WELDING
Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515

ELECTRIC WIRE
Wire gnd forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586
Resistance soldering apparatus
[NASA-CASE-GSC-10913] c 15 N72-22491
Lead attachment to high temperature devices
[NASA-CASE-ERC-10224] c 09 N72-25261
Means for accommodating large overstrain in lead wires — by stong extra length of wire in stretchable loop
[NASA-CASE-LAR-10168-1] c 33 N74-22865

- Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977
- High current electrical lead --- for thermionic converters
[NASA-CASE-LEW-10950-1] c 33 N74-27683
- Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
- Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
- Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227
- Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346
- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- ELECTRICAL ENGINEERING**
- Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
- Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element
[NASA-CASE-XAC-02807] c 09 N71-23021
- ELECTRICAL FAULTS**
- Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
- Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366
- Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
- Shared memory for a fault-tolerant computer
[NASA-CASE-NPO-13139-1] c 60 N76-21914
- ELECTRICAL IMPEDANCE**
- High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
- High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
- Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
- Signal conditioning circuit apparatus --- with constant input impedance
[NASA-CASE-ARC-10348-1] c 33 N75-19518
- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
- ELECTRICAL INSULATION**
- Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929
- Method and apparatus for cryogenic wire stripping Patent
[NASA-CASE-MFS-10340] c 15 N71-17628
- Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
- Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
- Electrical insulating layer process
[NASA-CASE-LEW-10489-1] c 15 N72-25447
- Bio-isolated dc operational amplifier --- for bioelectric measurements
[NASA-CASE-ARC-10596-1] c 33 N74-21851
- Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
- Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181
- Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
- Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419
- ELECTRICAL MEASUREMENT**
- Device for determining the accuracy of the flare on a flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
- Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
- Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530
- Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014
- Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
- High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
- Ablation sensor Patent
[NASA-CASE-XLA-01794] c 33 N71-21586
- Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037
- Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087
- Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
- Lightning current measuring systems
[NASA-CASE-KSC-10807-1] c 33 N75-26246
- Rapid activation and checkout device for batteries
[NASA-CASE-MFS-22749-1] c 44 N76-14601
- Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
- Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
- Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779
- Phyoelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
- ELECTRICAL PROPERTIES**
- Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687
- Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053
- Radiometric temperature reference Patent
[NASA-CASE-MSC-13276-1] c 14 N71-27058
- Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
- Storage battery comprising negative plates of a wedge shaped configuration --- for preventing shape change induced malfunctions
[NASA-CASE-NPO-11806-1] c 44 N74-19693
- Thermocouple tape --- developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434
- Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
- ELECTRICAL RESISTANCE**
- Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
- RF-source resistance meters
[NASA-CASE-NPO-11291-1] c 14 N73-30388
- Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
- Reactanceless bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N83-12333
- ELECTRICAL RESISTIVITY**
- GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
- Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481
- Electrically conductive fluorocarbon polymer
[NASA-CASE-XLE-06774-2] c 06 N72-25150
- Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
- Durable antistatic coating for polymethylmethacrylate
[NASA-CASE-NPO-13867-1] c 27 N78-14164
- Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
- Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331
- Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156
- Electrical self-aligning connector
[NASA-CASE-MFS-25211-1] c 33 N80-32651
- Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- ELECTRICITY**
- Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-C-303] c 22 N71-23599
- ELECTRO-OPTICS**
- Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11106] c 14 N70-34697
- Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
- Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
- Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
- Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
- Optical conversion method --- for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865
- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
- Optical distance measuring instrument
[NASA-CASE-12761-1] c 74 N83-13982
- Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092
- ELECTROACOUSTIC TRANSDUCERS**
- Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
- Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774
- CDS solid state phase insensitive ultrasonic transducer --- annealing cadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559
- ELECTROACOUSTIC WAVES**
- Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
- ELECTROCARDIOGRAPHY**
- Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
- Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
- Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MSC-14339-1] c 05 N75-24716
- Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
- Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
- ELECTROCATALYSTS**
- Electrocatalyst for oxygen reduction
[NASA-CASE-HQN-10537-1] c 06 N72-10138
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
- Zirconium carbide as an electrocatalyst for the chromous/chromic redox couple
[NASA-CASE-LEW-13246-1] c 25 N81-26203
- ELECTROCHEMICAL CELLS**
- Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
- Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
- Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
- Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02830] c 03 N71-22974
- Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336
- Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
- Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
- Porus electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108
- Battery testing device --- for testing cells of multiple-cell battery
[NASA-CASE-MFS-20761-1] c 44 N74-27519
- Electrical conductivity cell and method for fabricating the same
[NASA-CASE-ARC-10810-1] c 33 N76-19339
- Multi-cell battery protection system
[NASA-CASE-LEW-12039-1] c 44 N78-14625
- Method and device for the detection of phenol and related compounds --- in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474
- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487
- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
- ELECTROCHEMICAL MACHINING**
- Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395
- ELECTROCHEMICAL OXIDATION**
- Method and device for the detection of phenol and related compounds --- in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235

ELECTROCHEMISTRY

- Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073

ELECTRODE FILM BARRIERS

- Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313

ELECTRODEPOSITION

- Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043
Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
Electrophoretic sample insertion --- device for uniformly distributing samples in flow path
[NASA-CASE-MFS-21395-1] c 25 N74-26948
Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
Method and device for the detection of phenol and related compounds --- in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235

ELECTRODES

- Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
Electrode for biological recording
[NASA-CASE-XMS-02872] c 05 N69-21925
Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
Ionization vacuum gauge Patent
[NASA-CASE-XNP-00646] c 14 N70-35666
Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922
Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
Pressed disc type sensing electrodes with ion-screening means Patent
[NASA-CASE-XMS-04212-1] c 05 N71-12346
Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492
Arc electrode of graphite with ball tip Patent
[NASA-CASE-XLE-04788] c 09 N71-22987
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
Automatic recording McLeod gauge Patent
[NASA-CASE-XLE-03280] c 14 N71-23093
Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
Plated electrodes Patent
[NASA-CASE-XMS-04213-1] c 09 N71-26002
Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293
Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MS-90153-2] c 05 N72-25120
Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121
Compressible biomedical electrode
[NASA-CASE-MS-13648] c 05 N72-27103
Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246
Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
Porous electrode comprising a bonded stack of pieces of corrugated metal foil
[NASA-CASE-GSC-11368-1] c 09 N73-32108
High powered arc electrodes --- producing solar simulator radiation
[NASA-CASE-LEW-11162-1] c 33 N74-12913

- Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692

- Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MS-14339-1] c 05 N75-24716

- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525

- Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606

- Snap-in compressible biomedical electrode
[NASA-CASE-MS-14623-1] c 52 N77-28717

- Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395

- Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521

- Additive for zinc electrodes
[NASA-CASE-LEW-12366-1] c 44 N81-27597

- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524

- Microwave field effect transistor
[NASA-CASE-GSC-12442-1] c 33 N82-20398

- Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268

- Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672

- Light weight nickel battery plaque
[NASA-CASE-LEW-13349-1] c 44 N82-22673

- Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415

- Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645

- Ion beam textured graphite electrode plates --- high efficiency electron tube devices
[NASA-CASE-LEW-12919-2] c 24 N82-26386

- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N82-26575

- Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629

- Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335

- Chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N83-18025

- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370

- Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919

- Electrical discharge apparatus for forming Patent
[NASA-CASE-XMF-00375] c 15 N70-34249

- Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332

- Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226

- Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044

- Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904

- Polymenc electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391

- Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084

- Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363

- Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052

- Sealed electrochemical cell provided with a flexible casing Patent
[NASA-CASE-XGS-01513] c 03 N71-23336

- Compressible biomedical electrode
[NASA-CASE-MS-13648] c 05 N72-27103

- Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672

- Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710

- Method of making emf cell
[NASA-CASE-LEW-11359-2] c 03 N72-20034

- Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467

- Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252

- Reconstituted asbestos matrix --- for use in fuel or electrolysis cells
[NASA-CASE-MS-12568-1] c 24 N76-14204

- Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487

- Cell and method for electrolysis of water and anode
[NASA-CASE-MS-16394-1] c 28 N81-24280

- Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521

- Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710

- Multiple pass remapping optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741

- Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411

- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186

- Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281

- Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472

- Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701

- Metallic intrusion detector system
[NASA-CASE-ARC-10265-1] c 10 N72-28240

- Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326

- Electromagnetic flow rate meter --- for liquid metals
[NASA-CASE-LEW-10981-1] c 35 N74-21018

- Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411

- Three phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N83-17803

- Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650

- Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833

- Sealed cabinetry Patent
[NASA-CASE-MS-12168-1] c 09 N71-18600

- Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308

- Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678

- Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411

- Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779

- Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258

- Audio system with means for reducing noise effects
[NASA-CASE-NPO-11631] c 10 N73-12244

- Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366

- Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334

- Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

- Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084

- Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063

- Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097

- Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595

Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980

Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130

Method and apparatus for measuring electromagnetic radiation
[NASA-CASE-LEW-11159-1] c 14 N73-28488

Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

ELECTROMAGNETIC SHIELDING
Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691

Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419

Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397

ELECTROMAGNETIC WAVE FILTERS
Laser camera and diffusion filter therefore Patent
[NASA-CASE-NPO-10417] c 16 N71-33410

ELECTROMAGNETIC WAVE TRANSMISSION
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678

Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N81-16384

ELECTROMAGNETISM
Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695

Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 33 N81-22279

ELECTROMAGNETS
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461

Solenoid construction Patent
[NASA-CASE-XNP-01951] c 09 N70-41929

Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099

Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599

Magnetic bearing --- for supplying magnetic fluxes
[NASA-CASE-GSC-11079-1] c 37 N75-18574

Linear magnetic bearings --- active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469

Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N83-13460

ELECTROMECHANICAL DEVICES
Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185

Bimetallic power controlled actuator
[NASA-CASE-XNP-09776] c 09 N69-39929

Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent
[NASA-CASE-XAC-00086] c 09 N70-33182

Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627

Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045

Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490

Electromechanical control actuator system Patent
[NASA-CASE-ERC-10022] c 15 N71-26635

Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334

Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248

Ferrofluidic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185

Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387

Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314

Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423

Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711

Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569

ELECTROMETERS
Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021

Pyroelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659

ELECTROMIGRATION
Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105

ELECTROMOTIVE FORCES

Heat activated cell Patent
[NASA-CASE-LEW-11359] c 03 N71-28579

ELECTRON ATTACHMENT

High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877

ELECTRON BEAM WELDING

Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932

Device for preventing high voltage arcing in electron beam welding Patent
[NASA-CASE-XMF-08522] c 15 N71-19486

ELECTRON BEAMS

Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677

Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539

Electron beam instrument for measuring electric fields Patent
[NASA-CASE-XMF-10289] c 14 N71-23699

Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843

Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445

Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195

Image tube --- deriving electron beam replica of image
[NASA-CASE-GSC-11602-1] c 33 N74-21850

Very high intensity light source using a cathode ray tube --- electron beams
[NASA-CASE-XNP-01296] c 33 N75-27250

Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N80-19425

A low energy electron magnetometer
[NASA-CASE-LAR-12706-1] c 35 N81-19428

ELECTRON BOMBARDMENT

Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889

Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982

Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822

Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190

Single grid accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699

Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426

Ion beam textured graphite electrode plates --- high efficiency electron tube devices
[NASA-CASE-LEW-12919-2] c 24 N82-26386

Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170

ELECTRON CAPTURE

Multistage depressed collector for dual mode operation --- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415

ELECTRON DISTRIBUTION

Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

ELECTRON EMISSION

Tnode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898

ELECTRON FLUX DENSITY

Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982

Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245

ELECTRON MICROSCOPES

Device for measuring electron-beam intensities and for subjecting materials to electron irradiation in an electron microscope
[NASA-CASE-XGS-01725] c 14 N69-39982

Method of forming aperture plate for electron microscope
[NASA-CASE-ARC-10448-2] c 74 N75-12732

Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408

ELECTRON MICROSCOPY

Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996

ELECTRON PHOTON CASCADES

Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473

ELECTRON PLASMA

Method and apparatus for producing a plasma Patent
[NASA-CASE-XLA-00147] c 25 N70-34661

ELECTRON SCATTERING

Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953

ELECTRON SOURCES

Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408

ELECTRON TRANSFER

Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555

ELECTRON TRANSITIONS

Diatom infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426

ELECTRON TUBES

Direct radiation cooling of the collector of linear beam tubes
[NASA-CASE-XNP-09227] c 15 N69-24319

Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812

Gyrotron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N81-16384

Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117

ELECTRON TUNNELING

Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332

ELECTRONIC CONTROL

Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460

Electronic motor control system Patent
[NASA-CASE-XMF-01129] c 09 N70-38712

Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142

Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173

Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185

Digital control and information system
[NASA-CASE-NPO-11016] c 08 N72-31226

Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-17805

ELECTRONIC EQUIPMENT

Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460

Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575

Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466

Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470

Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097

Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098

Electronic cathode having a brush-like structure and a relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190

Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876

A solid state acoustic variable time delay line Patent
[NASA-CASE-ERC-10032] c 10 N71-25900

Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244

Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215

Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958

Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171

Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486

Lead attachment to high temperature devices
[NASA-CASE-ERC-10224] c 09 N72-25261

Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457

Versatile arithmetic unit for high speed sequential decoder
[NASA-CASE-NPO-11371] c 08 N73-12177

Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187

Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428

Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206

Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461

Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910

Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912

Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014

Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354

Moisture content and gas sampling device --- to test hermetically sealed electronic equipment
[NASA-CASE-MSC-18866-1] c 35 N82-26634

ELECTRONIC EQUIPMENT TESTS

Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991

Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270

Decommutator patchboard verifier
[NASA-CASE-KSC-11065-1] c 33 N81-26359

Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996

ELECTRONIC FILTERS

Self-tuning bandpass filter
[NASA-CASE-ARC-10264-1] c 09 N73-20231

Capacitance multiplier and filter synthesizing network
[NASA-CASE-NPO-11948-1] c 33 N74-32712

Notch filter
[NASA-CASE-MFS-23303-1] c 32 N77-18307

ELECTRONIC MODULES

Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717

Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056

Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MSC-12389] c 33 N71-29052

Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918

Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365

Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528

Electronically scanned pressure sensor module with in situ calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347

Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254

Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257

Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389

Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706

Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N82-26635

ELECTRONIC PACKAGING

Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431

Capacitor and method of making same Patent
[NASA-CASE-LEW-10364-1] c 09 N71-13522

Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934

Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783

Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986

Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469

Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243

Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951

Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918

Chassis unit insert tightening-extract device
[NASA-CASE-XMS-01077-1] c 37 N79-33467

Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839

Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549

ELECTRONIC RECORDING SYSTEMS

Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339

A self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 09 N81-27121

ELECTRONIC TRANSDUCERS

Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616

Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597

Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366

Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392

Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359

ELECTROPHORESIS

Electrophoretic sample insertion --- device for uniformly distributing samples in flow path
[NASA-CASE-MFS-21395-1] c 25 N74-26948

Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744

Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104

Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163

Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169

Electrophoretic fractional elution apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397

Method for separating biological cells --- suspended in aqueous polymer systems
[NASA-CASE-MFS-23883-1] c 51 N80-16715

Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126

Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

ELECTROPHOTOMETERS

Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993

ELECTROPHYSIOLOGY

Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618

ELECTROPLATING

Method of plating copper on aluminum Patent
[NASA-CASE-XLA-08966-1] c 17 N71-25903

Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691

Method and apparatus for sputtering utilizing an apertured electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569

Method of forming oxide coatings
[NASA-CASE-LEW-13132-1] c 44 N81-27616

Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524

ELECTROSTATIC CHARGE

Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095

Electrostatic measurement system --- for contact-electrifying a dielectric
[NASA-CASE-MFS-22129-1] c 33 N75-18477

Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

ELECTROSTATIC ENGINES

Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265

Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422

Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245

Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661

ELECTROSTATIC GENERATORS

Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331

ELECTROSTATIC PRECIPITATORS

Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192

Small conductive particle sensor --- microfiber size determination
[NASA-CASE-LAR-12552-1] c 35 N82-11431

ELECTROSTATIC PROBES

Apparatus for field strength measurement of a space vehicle Patent
[NASA-CASE-XLE-00820] c 14 N71-16014

Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572

ELECTROSTATIC PROPULSION

Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574

Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213

ELECTROSTATIC SHIELDING

Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148

Shielded conductor cable system
[NASA-CASE-MSC-12745-1] c 33 N81-27397

ELECTROSTATICS

Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522

Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335

ELECTROTHERMAL ENGINES

Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356

Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175

ELEVATION

Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627

Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067

ELEVATORS (LIFTS)

Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815

Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453

ELEVONS

High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

ELLIPSES

Ellipsograph for pantograph Patent
[NASA-CASE-XLA-03102] c 14 N71-21079

ELLIPSOMETERS

Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529

ELONGATION

Strain gauge measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233

Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449

ELUTION

Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

Electrophoretic fractional elution apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397

EMERGENCIES

Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205

Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761

EMERGENCY BREATHING TECHNIQUES

Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922

EMERGENCY LIFE SUSTAINING SYSTEMS

Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851

Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171

Emergency descent device
[NASA-CASE-MFS-23074-1] c 54 N77-21844

EMISSION SPECTRA

Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871

EMITTANCE

Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875

EMITTERS

Coaxial inverted geometry transistor having burned emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112

EMULSIONS

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595

ENAMELS

Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160

ENCAPSULATING

Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
Flexible, repairable, portable material for electrical connectors Patent
[NASA-CASE-XGS-05180] c 18 N71-25881
Onice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044
Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528
Method and system for nuclear waste disposal --- control valves for encapsulating wastes
[NASA-CASE-NPO-15454-1] c 73 N82-12916
Total immersion crystal growth --- using a melt covered with an encapsulating fluid
[NASA-CASE-NPO-15800-1] c 76 N83-15149

ENCLOSURES

Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436
Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364

ENDOSCOPES

Boreoscope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
Apparatus for endoscopic examination --- analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725

ENDOTHERMIC REACTIONS

Ablation sensor
[NASA-CASE-XLA-01781] c 14 N69-39975

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Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160

ENERGY ABSORPTION

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
Energy absorbing structure Patent Application
[NASA-CASE-MS-12279-1] c 15 N70-35679
Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959
Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443
Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N73-26876
Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460

ENERGY CONSERVATION

Remote platform power conserving system
[NASA-CASE-GSC-11182-1] c 15 N75-13007
A simplified power factor controller with increased energy saving circuit
[NASA-CASE-MFS-25323-1] c 33 N82-12349
Energy saving electrical motor control system
[NASA-CASE-MFS-25560-1] c 33 N82-30472
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N83-17536

ENERGY CONVERSION

Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234
Electromagnetic wave energy converter
[NASA-CASE-GSC-11394-1] c 09 N73-32109
Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524
Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581
Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582

ENERGY CONVERSION EFFICIENCY

Tnode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898
Energy conversion apparatus Patent
[NASA-CASE-XLE-00212] c 03 N70-34134
Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472
MHD electrical generator
[NASA-CASE-NPO-15399-1] c 75 N82-24079
Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777
Chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N83-18025

ENERGY DISSIPATION

Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850
Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001
Motion restraining device
[NASA-CASE-NPO-13619-1] c 37 N78-16369

ENERGY DISTRIBUTION

Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994
Spatial energy distribution --- scanning a tunable diode laser beam automatically
[NASA-CASE-LAR-12631-1] c 35 N82-18557

ENERGY LEVELS

High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
A low energy electron magnetometer
[NASA-CASE-LAR-12706-1] c 35 N81-19428

ENERGY POLICY

Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675
Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599
Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525
Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526
Coal desulfurization process
[NASA-CASE-NPO-13937-1] c 44 N78-31527
Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529
Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432
Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 28 N82-12241
Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475

ENERGY SOURCES

Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311
Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522
Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096

ENERGY STORAGE

Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713
Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331
Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686
Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

ENERGY TECHNOLOGY

Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582
Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529
Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152
Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528
Solar cell module assembly
[NASA-CASE-XGS-00829-1] c 44 N79-19447
Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433
Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474

ENERGY TRANSFER

Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657

ENGINE ANALYZERS

Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345

ENGINE CONTROL

Regenerative braking system Patent
[NASA-CASE-XMF-01096] c 10 N71-16030
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115

ENGINE COOLANTS

Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710

ENGINE DESIGN

Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
Space vehicle system
[NASA-CASE-MS-12561-1] c 18 N76-17185
Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N76-18131
Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640

ENGINE FAILURE

System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518

ENGINE INLETS

Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976

ENGINE MONITORING INSTRUMENTS

System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518

ENGINE NOISE

Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Multiple pure tone elimination strut assembly --- air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800

ENGINE PARTS

Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 25 N81-19245
Method of protecting a surface with a silicon-slurry/aluminate coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441

ENGINE STARTERS

Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

ENGINE TESTS

Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844

ENGINEERING DRAWINGS

High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986

ENTHALPY

Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156

ENTRAINMENT

Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345

ENUMERATION

Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604

ENVIRONMENT SIMULATION

Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619

ENVIRONMENT SIMULATORS

Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964

ENVIRONMENTAL CONTROL

Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
Portable superclean air column device Patent
[NASA-CASE-XMF-03212] c 15 N71-22721
Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
Air conditioned suit
[NASA-CASE-LAR-10076-1] c 05 N73-20137
Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459
Space vehicle with artificial gravity and earth-like environment
[NASA-CASE-LEW-11101-1] c 31 N73-32750

ENVIRONMENTAL ENGINEERING

Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792

ENVIRONMENTAL MONITORING

System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603

ENVIRONMENTAL TESTS

Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042

Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161
Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
Fixture for environmental exposure of structural materials under compression
[NASA-CASE-LAR-12602-1] c 35 N81-19429

ENVIRONMENTS

Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195

ENZYMATIC ACTIVITY

Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052

ENZYMES

Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086

EPICTYLOIDS

Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377

EPITAXY

Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397
Method of making macrocrystalline or single crystal semiconductor material and products produced thereby --- epitaxial substrates using low melting materials for photovoltaic cells
[NASA-CASE-NPO-15904-1] c 76 N83-21993

EPOXY COMPOUNDS

Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100

EPOXY MATRIX COMPOSITES

Fiberglass/epoxy composite automotive door structure including a glass-reinforced intrusion strip
[NASA-CASE-NPO-15057-1] c 24 N81-19230

EPOXY RESINS

Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
Transparent fire resistant polymeric structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230
Curing agent for polyepoxides and epoxy resins and composites cured therewith --- preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260
Universal connectors for joining stringers
[NASA-CASE-LAR-12744-1] c 37 N81-31551
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N82-10227
Fluoropolymer modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603

EQUATIONS OF MOTION

Kinematic method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280

EQUIPMENT

Bi-metallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583

EQUIPMENT SPECIFICATIONS

Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
Optical torque meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820

Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860
Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861
Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
Thermocouple tape --- developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N78-15434
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072

EQUIPOTENTIALS

Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

ERGOMETERS

Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014
Ergometer calibrator --- for any ergometer utilizing rotating shaft
[NASA-CASE-MFS-21045-1] c 35 N75-15932

EROSION

Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

ERROR ANALYSIS

Program for computer aided reliability estimation
[NASA-CASE-NPO-13086-1] c 15 N73-12495
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263

ERROR CORRECTING DEVICES

Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814
Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749
Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457
A self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 09 N81-27121

ERROR DETECTION CODES

Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633

ERROR SIGNALS

Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843
Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MSC-12743-1] c 32 N79-10263
Trac failure detector
[NASA-CASE-MFS-25607-1] c 33 N82-26574
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238

ERRORS

- Analog-to-digital converter
[NASA-CASE-MSC-13110-1] c 08 N72-22163

ESCAPE CAPSULES

- Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859

ESCAPE SYSTEMS

- Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345
Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067
Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 03 N81-29107

ESCHERICHIA

- Method and apparatus for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N82-12739

ESTERS

- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098

ETCHING

- Masking device Patent
[NASA-CASE-XNP-02092] c 15 N70-42033
Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
High resolution developing of photosensitive resists Patent
[NASA-CASE-XGS-04993] c 14 N71-17574
Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828
Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789

ETHANE

- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

ETHERS

- Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N83-21143

ETHYL COMPOUNDS

- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

ETHYLENE OXIDE

- Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724

EUTECTIC ALLOYS

- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
Method of growing composites of the type exhibiting the Soret effect --- improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187

- Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279
Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143

EVACUATING (VACUUM)

- Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
Evacuation port seal Patent
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EXTENSOMETERS

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Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

FEEDERS

Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778

FELTS

Thermal insulation attaching means — adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221

FEMALES

Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736

Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N78-27750

Urine collection apparatus — feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740

FERRITES

Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210

Method for making conductors for ferrite memory arrays — from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032

Device for measuring the ferrite content in an austenitic stainless-steel weld
[NASA-CASE-MFS-22907-1] c 26 N76-18257

FERROMAGNETIC MATERIALS

Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335

FERROMAGNETISM

High temperature ferromagnetic cobalt-base alloy Patent
[NASA-CASE-XLE-03629] c 17 N71-23248

FIBER COMPOSITES

Fibrous refractory composite insulation — shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062

Method for making patterns for resin matrix composites
[NASA-CASE-ARC-11248-1] c 24 N80-22410

Universal connectors for joining strings
[NASA-CASE-LAR-12744-1] c 37 N81-31551

Method and apparatus for gripping uniaxial fibrous composite materials — holding specimens for mechanical property testing
[NASA-CASE-LEW-13758-1] c 24 N83-12176

FIBER OPTICS

Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616

Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553

FIELD EFFECT TRANSISTORS

Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889

Low intensity X-ray and gamma-ray imaging device — fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857

Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N81-12862

Precise RF timing signal distribution to remote stations — fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186

Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907

Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342

Optical groscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448

Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029

Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071

Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659

Ranging system — industrial robotics
[NASA-CASE-NPO-15865-1] c 74 N83-12991

Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N83-18485

FIBER REINFORCED COMPOSITES

Fiberglass/epoxy composite automotive door structure including a glass-reinforced intrusion strip
[NASA-CASE-NPO-15057-1] c 24 N81-19230

Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296

Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384

FIBER RELEASE

Curing agent for polyepoxides and epoxy resins and composites cured therewith — preventing carbon fiber release
[NASA-CASE-LEW-13226-1] c 27 N81-17260

FIBER STRENGTH

Method and apparatus for strengthening boron fibers — high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385

FIBERS

Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088

Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456

Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150

Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

FIELD EFFECT TRANSISTORS

Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500

Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882

Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156

Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162

Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205

Radiation hardening of MOS devices by boron — for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329

Stored charge transistor
[NASA-CASE-NPO-11156-2] c 33 N75-31331

Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326

JFET oscillator
[NASA-CASE-GSC-12555-1] c 33 N80-26601

Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360

CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396

Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N82-11359

Microwave field effect transistor
[NASA-CASE-GSC-12442-1] c 33 N82-20398

FIELD EMISSION

Method and apparatus for limiting field emission current
[NASA-CASE-ERC-10015-2] c 10 N72-27246

FIELD OF VIEW

Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465

FILAMENT WINDING

Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171

FILAMENTS

Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752

FILLERS

Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
Intumescent-ablator coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258
Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490

FILLING

Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856

FILM COOLING

Multislot film cooled pyrolytic graphite rocket nozzle Patent
[NASA-CASE-XNP-04389] c 28 N71-20942
Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N81-12363
Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 34 N82-25463

FILM THICKNESS

Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253
Deaerator/mixer for liquids
[NASA-CASE-MSC-18936-1] c 25 N82-22329
Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949

FILMS

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595
Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N76-20994

FILTERS

Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185
Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773
Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608

FILTRATION

Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NTSL-10-1] c 25 N82-25335

FINES

Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087

FINS

Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

FIRE EXTINGUISHERS

Synthesis of dawsonites
[NASA-CASE-ARC-113261-1] c 25 N80-31490
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137
Fire extinguishant materials
[NASA-CASE-ARC-11252-1] c 25 N82-12168

FIRE PREVENTION

Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412
Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525

FIREPROOFING

Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767
Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562
Intumescent composition, foamed product prepared therefrom, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572
Flexible fire retardant polyisocyanate modified neoprene foam --- for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814
Non-flammable elastomeric fiber from a fluonated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100

FIRES

Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

FIRING (IGNITING)

Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

FITTINGS

Quick release connector Patent
[NASA-CASE-XLA-01141] c 15 N71-13789
Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389

FIXED WINGS

Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243

FIXTURES

Tool for use in lifting pin supported objects
[NASA-CASE-NPO-13157-1] c 37 N74-32918
Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

FLAME PROBES

Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

FLAME RETARDANTS

Flame retardant spandex type polyurethanes
[NASA-CASE-MSC-14331-2] c 27 N78-17213
Process for spinning flame retardant elastomeric compositions --- fabricating synthetic fibers for high oxygen environments
[NASA-CASE-MSC-14331-3] c 27 N78-32262
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N81-31364
Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238
Heat sealable, flame and abrasion resistant coated fabric
[NASA-CASE-MSC-18382-2] c 27 N82-24344
Fire blocking systems for aircraft seat cushions
[NASA-CASE-ARC-11423-1] c 03 N83-17525

Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

FLAME SPRAYING

Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077
Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739
Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301

FLAME TEMPERATURE

Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357

FLAMES

Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403

FLAMMABILITY

Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Violet-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446

FLANGES

Cassegrain antenna subreflector flange for suppressing ground noise Patent
[NASA-CASE-XNP-00683] c 09 N70-35425
Anti-glare improvement for optical imaging systems Patent
[NASA-CASE-NPO-10337] c 14 N71-15604
Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562
Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N82-11470

FLAPS (CONTROL SURFACES)

Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332
Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110
Reversed cowl flap inlet thrust augmentor --- with adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736

FLARED BODIES

Flared tube strainer
[NASA-CASE-XLA-05056] c 15 N72-11389

FLASH LAMPS

Active lamp pulse driver circuit --- for use in laser transmitters
[NASA-CASE-GSC-12566-1] c 36 N82-10390

FLAT CONDUCTORS

Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Method of making shielded flat cable Patent
[NASA-CASE-MFS-13687] c 09 N71-28691
Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
Electrical connector
[NASA-CASE-MFS-20757] c 09 N72-28225
Method and apparatus for preparing multiconductor cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226
Edge coating of flat wires
[NASA-CASE-XMF-05757-1] c 31 N79-21227

FLAT PLATES

Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640

FLEXIBILITY

Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
Nozzle extraction process and handmeter for measuring handle
[NASA-CASE-LAR-12147-1] c 31 N79-11246

Safety flywheel --- using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527

FLEXIBLE BODIES
Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
Deflective rod switch with elastic support and sealing means Patent
[NASA-CASE-XNP-09808] c 09 N71-12518
Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680
Extravehicular tunnel suit system Patent
[NASA-CASE-MS-12243-1] c 05 N71-24728
Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163

FLEXIBLE WINGS
Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
Control for flexible parawing Patent
[NASA-CASE-XLA-06958] c 02 N71-11038

FLEXING
Two degree inverted flexure
[NASA-CASE-ARC-10345-1] c 15 N73-12488
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987

FLIGHT
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692

FLIGHT ALTITUDE
Altitude measuring system
[NASA-CASE-ERC-10412-1] c 09 N73-12211
Terminal guidance system --- for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420
Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
Sideloading laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N81-19439
System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N83-17536

FLIGHT CLOTHING
Absorbent product and articles made therefrom
[NASA-CASE-MS-18223-2] c 52 N82-26980

FLIGHT CONTROL
Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073
Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
Solid state controller three axes controller
[NASA-CASE-MS-12394-1] c 08 N74-10942
G-load measuring and indicator apparatus --- for aircraft
[NASA-CASE-ARC-10806] c 06 N74-27872
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
Deploy/release system --- model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N81-22048
Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493

FLIGHT CREWS
Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285

FLIGHT INSTRUMENTS
Heads up display
[NASA-CASE-LAR-12630-1] c 06 N82-29319

FLIGHT RECORDERS
Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006

FLIGHT SAFETY
Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343
Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641

FLIGHT SIMULATION
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449
Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663

FLIGHT SIMULATORS
Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183
Numerical computer peripheral interactive device with manual controls
[NASA-CASE-NPO-11497] c 08 N73-25206
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot
[NASA-CASE-LAR-10550-1] c 09 N74-30597
Vehicle simulator binocular multiplex visual display system
[NASA-CASE-ARC-10808-1] c 09 N76-24280
Full color hybrid display for aircraft simulators --- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
Chromatically corrected virtual image display --- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892
Seat cushion to provide realistic acceleration cues to aircraft simulator pilot
[NASA-CASE-LAR-12149-2] c 09 N79-31228
Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
Sideloading laser altimeter for a flight simulator
[NASA-CASE-ARC-11312-1] c 36 N81-19439
Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806
Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829
Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212

FLIGHT TESTS
Air frame drag balance Patent
[NASA-CASE-XLA-00113] c 14 N70-33386

FLIGHT TRAINING
Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N82-29331

FLIGHT VEHICLES
Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326

FLIP-FLOPS
AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547

FLOATING
Floating baffle to improve efficiency of liquid transfer from tanks
[NASA-CASE-KSC-10639] c 15 N73-26472
Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
Floating nut retention system
[NASA-CASE-MS-16938-1] c 37 N80-23653

FLOATS
Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820

FLOTATION
Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748

FLOW CHAMBERS
Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337

FLOW DIRECTION INDICATORS
Potentially sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Directional flow sensor
[NASA-CASE-FRC-11074-1] c 35 N82-11436

FLOW DISTRIBUTION
Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10837-1] c 35 N75-16783
Controlled separation combustor --- airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11903-2] c 34 N82-20465
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

FLOW MEASUREMENT
Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454
Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
Biomedical flow sensor --- intravenous procedures
[NASA-CASE-MS-18761-1] c 52 N81-24717
Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504

FLOW REGULATORS
Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
Fluid flow control valve Patent
[NASA-CASE-KSC-00703] c 15 N71-15967
Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615
Temperature sensitive flow regulator Patent
[NASA-CASE-MFS-14259] c 15 N71-19213
Pneumatic amplifier Patent
[NASA-CASE-MS-12121-1] c 15 N71-27147
Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
Pressure modulating valve
[NASA-CASE-MS-14905-1] c 37 N77-28487
Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
Biomedical flow sensor --- intravenous procedures
[NASA-CASE-MS-18761-1] c 52 N81-24717
Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419

FLOW STABILITY
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12720-1] c 44 N83-21504

FLOW VELOCITY
Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330
Device for suppressing sound and heat produced by high-velocity exhaust jets Patent
[NASA-CASE-XMF-01813] c 28 N70-41582
Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226

- Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
- Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
- Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
- Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
- Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199
- Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415
- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Wind tunnel flow generation section
[NASA-CASE-ARC-10710-1] c 09 N75-12969
- Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
- System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
- Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 28 N81-33306
- Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088
- FLOW VISUALIZATION**
- Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
- Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
- FLOWMETERS**
- Flow test device
[NASA-CASE-XMS-04917] c 14 N69-24257
- Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
- Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
- Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212
- Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226
- Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
- Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828
- Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
- Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
- Respiratory analysis system and method
[NASA-CASE-MSC-13436-1] c 05 N73-32015
- Low power electromagnetic flowmeter providing accurate zero set
[NASA-CASE-ARC-10362-1] c 14 N73-32326
- Electromagnetic flow rate meter --- for liquid metals
[NASA-CASE-LEW-10981-1] c 35 N74-21018
- Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931
- System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345
- Automatic flowmeter calibration system
[NASA-CASE-KSC-11076-1] c 34 N81-26402
- Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856
- FLUID AMPLIFIERS**
- Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
- Multway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
- Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578
- Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
- Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050
- Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- FLUID DYNAMICS**
- Deaerator/mixer for liquids
[NASA-CASE-MSC-18936-1] c 25 N82-22329
- FLUID FILMS**
- Journal bearings --- for lubricant films
[NASA-CASE-LEW-11076-1] c 37 N74-21061
- Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461
- Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541
- FLUID FILTERS**
- Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
- High pressure filter Patent
[NASA-CASE-XNP-00732] c 28 N70-41447
- Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
- Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
- Filter regeneration systems --- a system for regenerating a system filter in a fluid flow line
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463
- Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N78-22585
- Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285
- Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- Apparatus and method for destructive removal of particles contained in a flowing fluid
[NASA-CASE-NPO-15426-1] c 45 N83-20447
- FLUID FLOW**
- Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466
- Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469
- Full flow with shut off and selective drainage control valve Patent application
[NASA-CASE-ERC-10208] c 15 N70-10867
- Conical valve plug Patent
[NASA-CASE-XLE-00715] c 15 N70-34859
- Pressure regulating system Patent
[NASA-CASE-XNP-00450] c 15 N70-38603
- Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
- Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- Multway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609
- Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
- Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
- Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
- Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
- Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
- Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
- Electrohydrodynamic control valve Patent
[NASA-CASE-NPO-10416] c 12 N71-27332
- Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741
- Nuclear mass flowmeter
[NASA-CASE-MFS-20485] c 14 N72-11365
- Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199
- Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445
- Capacitive tank gaging apparatus being independent of liquid distribution
[NASA-CASE-MFS-21629] c 14 N72-22442
- Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484
- Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
- Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513
- Flow control valve --- for high temperature fluids
[NASA-CASE-NPO-11951-1] c 37 N74-21065
- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
- Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
- Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- Filter regeneration systems --- a system for regenerating a system filter in a fluid flow line
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- Combined dual scatter, local oscillator laser Doppler velocimeter
[NASA-CASE-ARC-10642-1] c 36 N76-14447
- Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
- Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423
- Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
[NASA-CASE-ARC-10970-1] c 36 N77-25501
- Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
- Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465
- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426
- Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402
- Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N81-19440
- Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- FLUID INJECTION**
- Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375
- Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
- Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
- Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212
- Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089
- Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
- Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771
- FLUID JETS**
- Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856
- FLUID LOGIC**
- Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
- FLUID MECHANICS**
- Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442
- FLUID POWER**
- Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031
- Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
- FLUID PRESSURE**
- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
- FLUID ROTOR GYROSCOPES**
- Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824
- FLUID SWITCHING ELEMENTS**
- Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155
- FLUID TRANSMISSION LINES**
- Low heat leak connector for cryogenic system
[NASA-CASE-XLE-02367-1] c 31 N79-21225
- FLUIDIC CIRCUITS**
- Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
- Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
- FLUIDICS**
- Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
- Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519
- Fluidic proportional thruster system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
- Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050
- Fluid valve assembly
[NASA-CASE-MSC-12731-1] c 37 N78-25426

FLUIDIZED BED PROCESSORS

- Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
- Fluidized bed coal combustion reactor
[NASA-CASE-NPO-14273-1] c 25 N82-11144
- Solar heated fluidized bed gasification system
[NASA-CASE-NPO-15071-1] c 44 N82-16475
- Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

FLUIDS

- Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754
- Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435
- Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100
- Fluid mass sensor for a zero gravity environment
[NASA-CASE-MSC-14653-1] c 35 N77-19385

FLUORESCENCE

- Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676
- Internal work light Patent
[NASA-CASE-XKS-05932] c 09 N71-26787
- Chromato-fluorographic drug detector --- device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
- Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900

FLUORIDES

- Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
- Corrosion resistant beryllium Patent
[NASA-CASE-LEW-10327] c 17 N71-33408
- Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121

FLUORINATION

- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151
- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098

FLUORINE

- Reaction of fluorine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
- Process for the preparation of fluorine containing crosslinked elastomeric polytriazine and product so produced
[NASA-CASE-ARC-11248-1] c 27 N81-17259

FLUORINE COMPOUNDS

- Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

FLUORO COMPOUNDS

- New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
- Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
- Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
- Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
- Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076
- Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228
- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

FLUOROCARBONS

- Electrically conductive fluorocarbon polymer
[NASA-CASE-XLE-06774-2] c 06 N72-25150

FLUOROPOLYMERS

- Perfluoroalkyl polytriazines containing pendent iododifluoromethyl groups
[NASA-CASE-ARC-11241-1] c 25 N81-14016
- Texturing polymer surfaces by transfer casting --- cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521

FLUTTER

- Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
- Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004

Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373

FLUX (RATE)

- Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325

FLUX DENSITY

- Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602

FLUXES

- Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
- Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078

FLYWHEELS

- Energy storage apparatus
[NASA-CASE-GSC-12030-1] c 44 N78-24608
- Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
- Safety flywheel --- using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527
- Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163

FOAMS

- Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
- Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
- Filament wound container Patent
[NASA-CASE-XLE-03803] c 15 N71-23816
- Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
- Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
- Method of making a solid propellant rocket motor Patent
[NASA-CASE-XLA-04126] c 28 N71-26779
- Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
- Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
- Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
- Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- Polymers foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- Ambient cure polyimide foams --- thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N83-19903

FOCI

- Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 32 N82-10287
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N82-24973

FOCUSING

- X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240
- Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618
- Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027
- Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
- Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195
- Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014
- Multiplate focusing collimator --- for scanning small near radiation sources
[NASA-CASE-MFS-20932-1] c 35 N75-19616
- RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594
- Gyrottron transmitting tube
[NASA-CASE-LEW-13429-1] c 33 N81-16384

Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N82-30073

- Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712

FOG

- Anti-fog composition --- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834
- Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212

FOILS (MATERIALS)

- Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
- Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181
- Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
- Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235

FOLDING

- Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180

FOLDING STRUCTURES

- Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924
- Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
- Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
- Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
- Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580
- Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630
- Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
- Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611
- Foldable construction block
[NASA-CASE-MSC-12233-1] c 15 N72-25454
- Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
- Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
- Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324

FOOD

- Bacteria detection instrument and method
[NASA-CASE-GSC-11533-1] c 14 N73-13435

FORCE

- Ferrofluidic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185

FORCE DISTRIBUTION

- Device for handling heavy loads
[NASA-CASE-XNP-04969] c 11 N69-27466
- Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439
- Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
- Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411
- Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463
- Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329

FORCED VIBRATION

- Seismic vibration source
[NASA-CASE-NPO-14112-1] c 46 N79-22679

FOREBODIES

- Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968

FORMALDEHYDE

- An improved synthesis of 2,4,8,10-tetroxaspiro (5 5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472
- Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174

FORMAT

- Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751

FORMATES

- Fluorine containing polyurethane
[NASA-CASE-MFS-10509] c 06 N73-30103

FORMING TECHNIQUES

- Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
- Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803

- Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
- Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
- Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522
- Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
- Molding apparatus — for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920
- Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371
- Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446
- Apparatus for forming dished ion thruster gnds
[NASA-CASE-LEW-11694-2] c 37 N76-14461
- Acoustic energy shaping
[NASA-CASE-NPO-13802-1] c 71 N78-10837
- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MS-C-19693-1] c 26 N78-24333
- Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752
- Method and apparatus for producing concentric hollow spheres — inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MS-C-18430-1] c 37 N82-24491
- Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N82-33567
- FOUNDATIONS**
- Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
- Adjustable securing base
[NASA-CASE-MS-C-19666-1] c 37 N78-17383
- FOURIER TRANSFORMATION**
- Continuous Fourier transform method and apparatus — for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539
- Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992
- FRACTIONATION**
- Method and apparatus for distillation of liquids
[NASA-CASE-XNP-08124] c 15 N71-27184
- Electrophoretic fractionalation apparatus employing a rotational seal fraction collector
[NASA-CASE-MFS-23284-1] c 37 N80-14397
- Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
- FRACTURE MECHANICS**
- Apparatus for positioning and loading a test specimen
[NASA-CASE-XLE-01300] c 15 N70-41993
- FRACTURE STRENGTH**
- Process for making a high toughness-high strength ion alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271
- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484
- Method of making a partial interlaminar separation composite system
[NASA-CASE-LAR-12065-2] c 24 N81-33235
- FRAMES**
- Articulated multiple couch assembly Patent
[NASA-CASE-MS-C-11253] c 05 N71-12343
- Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096
- Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749
- Laser measuring system for incremental assemblies — measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396
- Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471
- FRAMING CAMERAS**
- High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411
- FREE FLIGHT TEST APPARATUS**
- Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
- Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
- Test unit free-flight suspension system Patent
[NASA-CASE-XLA-00939] c 11 N71-15926
- FREE WING AIRCRAFT**
- Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
- FREEZE DRYING**
- Modification of the physical properties of freeze-dried rice
[NASA-CASE-MS-C-13540-1] c 05 N72-33096
- FREEZING**
- System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- FREON**
- Solar energy power system — using Freon
[NASA-CASE-MFS-21628-1] c 44 N75-32581
- FREQUENCIES**
- Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194
- High efficiency multirange frequency feed
[NASA-CASE-GSC-11809] c 32 N74-20863
- FREQUENCY ANALYZERS**
- Digital frequency discriminator Patent
[NASA-CASE-MFS-14322] c 08 N71-18692
- Broadband frequency discriminator Patent
[NASA-CASE-NPO-10096] c 07 N71-24583
- Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
- Continuous Fourier transform method and apparatus — for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539
- Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315
- Frequency tracked pulse technique for ultrasonic analysis
[NASA-CASE-LAR-12697-1] c 32 N80-26571
- FREQUENCY CONTROL**
- Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995
- Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
- Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962
- Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841
- Low loss dichroic plate
[NASA-CASE-NPO-13171-1] c 32 N74-11000
- Automatic frequency control for FM transmitter
[NASA-CASE-MFS-21540-1] c 32 N74-19790
- Acoustically controlled distributed feedback laser
[NASA-CASE-NPO-13175-1] c 36 N75-31427
- Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
- Cam-operated pitch-change apparatus
[NASA-CASE-LEW-13050-1] c 07 N79-14095
- Digital numerically controlled oscillator
[NASA-CASE-MS-C-16747-1] c 33 N81-17349
- High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N81-31482
- Spectrophotometer stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15518-1] c 36 N82-26652
- FREQUENCY CONVERTERS**
- Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500
- Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
- Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882
- Family of frequency to amplitude converters
[NASA-CASE-MS-C-12395] c 09 N72-25257
- Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874
- FREQUENCY DISCRIMINATORS**
- PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
- FREQUENCY DISTRIBUTION**
- Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
- Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810
- Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- FREQUENCY DIVIDERS**
- Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
- Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223
- Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
- Electronic analog divider
[NASA-CASE-LEW-11881-1] c 33 N77-17354
- Unequal split microwave power divider
[NASA-CASE-LAR-12889-1] c 33 N81-31483
- FREQUENCY DIVISION MULTIPLEXING**
- Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
- Frequency division multiplex technique
[NASA-CASE-KSC-10521] c 07 N73-20176
- FREQUENCY MEASUREMENT**
- Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386
- Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MS-C-14649-1] c 33 N76-16331
- Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
- FREQUENCY MODULATION**
- Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799
- Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
- Bi-carrier demodulator with modulation Patent
[NASA-CASE-MSC-01160] c 07 N71-11298
- Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
- Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
- Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461
- Automatic frequency control for FM transmitter
[NASA-CASE-XGS-21540-1] c 32 N74-19790
- Symmetrical odd-modulus frequency divider
[NASA-CASE-NPO-13426-1] c 33 N75-31330
- Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351
- FM/CW radar system
[NASA-CASE-MFS-22234-1] c 32 N79-10264
- Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
- Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
- Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N81-31480
- FREQUENCY MULTIPLIERS**
- Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
- Open loop digital frequency multiplier
[NASA-CASE-MS-C-12709-1] c 33 N77-24375
- FREQUENCY RANGES**
- Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
- Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- Technique for extending the frequency range of digital dividers
[NASA-CASE-LAR-10730-1] c 33 N74-10223
- Multichannel logarithmic RF level detector
[NASA-CASE-LAR-11021-1] c 32 N76-14321
- Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
- FREQUENCY SCANNING**
- Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
- Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364
- Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341
- FREQUENCY SHIFT**
- Doppler frequency spread correction device for multiplex transmissions
[NASA-CASE-XGS-02749] c 07 N69-39978

Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088

Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814

Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828

Laser Doppler velocity simulator --- to induce frequency shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321

FREQUENCY SHIFT KEYING

Frequency shift keyed demodulator Patent
[NASA-CASE-XGS-02889] c 07 N71-11282

Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405

A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995

FREQUENCY STABILITY

Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614

Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331

Spectrophotometer stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N82-26652

FREQUENCY STANDARDS

Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099

Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436

Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323

External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362

Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186

FREQUENCY SYNCHRONIZATION

Pseudonoise (PN) synchronization of data system with derivation of clock frequency from received signal for clocking receiver PN generator
[NASA-CASE-XNP-03623] c 09 N73-28084

Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323

System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

FREQUENCY SYNTHESIZERS

Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525

System for synchronizing synthesizers of communication systems
[NASA-CASE-GSC-12148-1] c 32 N79-20296

Method for shaping and aiming narrow beams --- sonar mapping and target identification
[NASA-CASE-NPO-14632-1] c 32 N82-18443

FRICTION

Missile rolling tail brake torque system --- simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 37 N82-26675

Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371

Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098

FRICTION FACTOR

Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984

FRICTION MEASUREMENT

Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995

Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489

FRICTION REDUCTION

Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978

Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383

FRICTIONLESS ENVIRONMENTS

Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617

Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689

Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223

FROST

Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323

Device for determining frost depth and density
[NASA-CASE-MFS-25754-1] c 31 N82-26503

FUEL CELL POWER PLANTS

Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-1] c 44 N82-32843

FUEL CELLS

Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337

Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904

Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022

Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044

Reconstituted asbestos matrix --- for use in fuel or electrolysis cells
[NASA-CASE-MSC-12568-1] c 24 N76-14204

Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513

FUEL COMBUSTION

Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224

FUEL CONTROL

Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539

Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103

Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106

Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654

Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432

Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793

Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545

Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483

FUEL FLOW

System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772

FUEL FLOW REGULATORS

Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192

Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106

FUEL GAGES

Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134

FUEL INJECTION

Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535

Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199

Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660

Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843

Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406

Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129

Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

FUEL OILS

Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106

FUEL PUMPS

Fuel injection pump for internal combustion engines Patent
[NASA-CASE-MSC-12139-1] c 28 N71-14058

FUEL SYSTEMS

Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781

System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772

Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502

Fuel combustor
[NASA-CASE-LEW-12137-1] c 25 N78-10224

Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403

Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129

Apparatus and method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-14130

FUEL TANK PRESSURIZATION

Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247

Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042

Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929

FUEL TANKS

Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988

Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103

Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04605] c 32 N71-16106

Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387

Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186

High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

FUEL VALVES

Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535

Semitoroidal diaphragm cavitating valve Patent
[NASA-CASE-XNP-09704] c 12 N71-18615

Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024

Combination automatic-starting electrical plasma torch and gas shutoff valve --- for satellite attitude control
[NASA-CASE-XLE-10717] c 37 N75-29426

FUELS

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

FUNCTION GENERATORS

Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952

Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176

Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248

Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253

Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MSC-13907-1] c 10 N73-26230

FURABLE ANTENNAS

Unfurlable structure including coiled strips thrust launched upon tension release Patent
[NASA-CASE-HON-00937] c 07 N71-28979

Singly-curved reflector for use in high-gain antennas
[NASA-CASE-NPO-11381] c 07 N72-32169

Furlable antenna --- antenna design
[NASA-CASE-NPO-13553-1] c 33 N76-32457

FURNACES

High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147

Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625

Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267

High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215

High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523

Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 76 N81-30012

Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631

FUSELAGES

Adapter for mounting microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 35 N82-24474

Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384

FUSION (MELTING)

Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735

Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088

Induction heating gun
[NASA-CASE-LAR-12540-2] c 27 N82-24345

One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571

FUSION WELDING

- Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
Diffusion welding in air — solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11387-1] c 37 N74-18128

G

GADOLINIUM

- Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292

GALLIUM

- Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790

GALLIUM ARSENIDES

- GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027
Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043
Vapor deposition apparatus — semiconductors and gallium arsenides
[NASA-CASE-HQN-10462] c 25 N75-29192
Microwave field effect transistor
[NASA-CASE-GSC-12442-1] c 33 N82-20398
Total immersion crystal growth — using a melt covered with an encapsulating fluid
[NASA-CASE-NPO-15800-1] c 76 N83-15149

GALVANIC SKIN RESPONSE

- Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293

GAMMA RAY SPECTROMETERS

- Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
Method and apparatus for mapping the distribution of chemical elements in an extended medium
[NASA-CASE-GSC-12808-1] c 45 N83-20446

GAMMA RAYS

- Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
Low intensity X-ray and gamma-ray imaging device — fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
Real-time 3D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N82-10862
The 3-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N83-20083

GANTRY CRANES

- Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021

GAPS

- Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392
Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709

GARMENTS

- Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
Urine collection apparatus — feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740
Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002

GAS ANALYSIS

- Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701

Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent

- [NASA-CASE-XNP-01056] c 14 N71-23041
Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137
Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
Nondispersive gas analyzing method and apparatus wherein radiation is serially passed through a reference and unknown gas
[NASA-CASE-ARC-10308-1] c 06 N72-31141
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
Coaxial anode wire for gas radiation counters
[NASA-CASE-GSC-11492-1] c 35 N74-26949
Fast scan control for deflection type mass spectrometers
[NASA-CASE-LAR-11428-1] c 35 N74-34857
NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
Analysis of volatile organic compounds — trace amounts of organic volatiles in gas samples
[NASA-CASE-MSC-14428-1] c 23 N77-17161
Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
Stark effect spectrophone for continuous absorption spectra monitoring — a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

GAS BAGS

- Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

GAS BEARINGS

- Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664
Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620
Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617
Fluid power transmission Patent
[NASA-CASE-XMS-01445] c 12 N71-16031
Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
Fluid power transmitting gas bearing Patent
[NASA-CASE-ERC-10097] c 15 N71-28465
Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740
Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388
Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588
Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418

GAS CHROMATOGRAPHY

- Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428
Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
Chelate-modified polymers for atmospheric gas chromatography
[NASA-CASE-ARC-11154-1] c 25 N80-23383

GAS COMPOSITION

- Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 35 N81-24414
Microwave limb sounder — measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685

GAS COOLED REACTORS

- Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759

GAS COOLING

- Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
Containerless melting and rapid solidification apparatus and method
[NASA-CASE-MFS-25305-1] c 35 N81-16427
Apparatus and method for heating a material in a transparent ampoule — crystal growth
[NASA-CASE-MFS-25436-1] c 76 N81-30012

GAS DENSITY

- Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
Method of producing crystalline materials
[NASA-CASE-NPO-10440] c 15 N72-21466
Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector — for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

GAS DETECTORS

- Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
Miniature carbon dioxide sensor and methods
[NASA-CASE-MSC-13332-1] c 14 N72-21408
Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
Carbon monoxide monitor — using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380
Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector — for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958
Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393
Optically selective, acoustically resonant gas detecting transducer
[NASA-CASE-ARC-10639-1] c 35 N78-13400
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
Stark effect spectrophone for continuous absorption spectra monitoring — a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

GAS DISCHARGE TUBES

- Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693

GAS DISCHARGES

- Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630

GAS EVOLUTION

Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185

GAS EXPANSION

Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
Gas operated actuator
[NASA-CASE-NPO-11340] c 15 N72-33477

GAS FLOW

Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608
High pressure gas filter system Patent
[NASA-CASE-MFS-12806] c 14 N71-17588
Burst diaphragm flow initiator Patent
[NASA-CASE-MFS-12915] c 11 N71-17600
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Respiration monitor
[NASA-CASE-FRC-10012] c 14 N72-17329
Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
Fluidic proportional thruster system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457
Pressurized lighting system
[NASA-CASE-KSC-10644] c 09 N72-27227
Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025
Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
Flow measuring apparatus
[NASA-CASE-LEW-12078-1] c 35 N75-30503
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Directional flow sensor
[NASA-CASE-FRC-11074-1] c 35 N82-11436
Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 34 N82-25463
Moisture content and gas sampling device — to test hermetically sealed electronic equipment
[NASA-CASE-MSC-18866-1] c 35 N82-26634
Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681
Apparatus and method for destructive removal of particles contained in a flowing fluid
[NASA-CASE-NPO-15426-1] c 45 N83-20447

GAS GENERATORS

Specialized halogen generator for purification of water Patent
[NASA-CASE-XLA-08913] c 14 N71-28933
Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450
Electrolytic gas operated actuator
[NASA-CASE-NPO-11369] c 15 N73-13467
Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
Hydrogen-rich gas generator
[NASA-CASE-NPO-13464-1] c 44 N76-18642
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704
Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636

GAS GUNS

Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628

GAS HEATING

Bimetallic fluid displacement apparatus — for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126

GAS INJECTION

Burning rate control of solid propellants Patent
[NASA-CASE-XLE-03494] c 27 N71-21819
Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127
Gas chromatograph injection system
[NASA-CASE-ARC-10344-2] c 35 N75-26334
In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452

Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579
Containerless melting and rapid solidification apparatus and method
[NASA-CASE-MFS-25305-1] c 35 N81-16427

GAS IONIZATION

Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090
Modulated hydrogen ion flame detector
[NASA-CASE-ARC-10322-1] c 35 N76-18403
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186

GAS LASERS

Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366
Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
A solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N82-25497
Spectrophone stabilized laser with line center offset frequency control
[NASA-CASE-NPO-15516-1] c 36 N82-26652

GAS LUBRICANTS

Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897
Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588
Cantilever mounted resilient pad gas bearing
[NASA-CASE-LEW-12569-1] c 37 N79-10418

GAS MASERS

Solid state chemical source for ammonia beam maser Patent
[NASA-CASE-XGS-01504] c 16 N70-41578
Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489
Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029
Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436

GAS MIXTURES

Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774
Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636
Chemical vapor deposition reactor — providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253

GAS PIPES

Fluid flow restrictor Patent
[NASA-CASE-NPO-10117] c 15 N71-15608

GAS PRESSURE

Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
Measurement of gas production of microorganisms — using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316
Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097

Method of an apparatus for measuring temperature and pressure — remote sensing of the atmosphere
[NASA-CASE-GSC-12558-1] c 35 N82-29580
Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-1] c 44 N82-32843

GAS STREAMS

Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
Stagnation pressure probe — for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584
Gas levitator and method for containerless processing
[NASA-CASE-MFS-25509-1] c 34 N82-10359

GAS TEMPERATURE

Method for measuring the characteristics of a gas Patent
[NASA-CASE-XLA-03375] c 16 N71-24074
Method of an apparatus for measuring temperature and pressure — remote sensing of the atmosphere
[NASA-CASE-GSC-12558-1] c 35 N82-29580

GAS TRANSPORT

Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238

GAS TUBES

Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550

GAS TURBINE ENGINES

Gas turbine engine fuel control
[NASA-CASE-LEW-11187-1] c 28 N73-19793
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665
Controlled separation combustor — airflow distribution in gas turbine engines
[NASA-CASE-LEW-11593-1] c 20 N76-14190
Fused silicide coatings containing discrete particles for protecting niobium alloys — used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12830-1] c 07 N77-23106
Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
Nickel base alloy — for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280
Bearing seat usable in a gas turbine engine
[NASA-CASE-LEW-12477-1] c 37 N77-32501
Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467
Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067
Automotive gas turbine fuel control
[NASA-CASE-LEW-12785-1] c 37 N78-24545
Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089
Independent power generator
[NASA-CASE-LAR-11208-1] c 44 N78-32539
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
Curved centerline air intake for a gas turbine engine
[NASA-CASE-LEW-13201-1] c 07 N81-14999
Apparatus for sensor failure detection and correction in a gas turbine engine control system
[NASA-CASE-LEW-12907-2] c 07 N81-19115
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
Overlay metallic-cermet alloy coating systems — for gas turbine engines
[NASA-CASE-LEW-13639-1] c 27 N82-33522
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129
Apparatus and method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-14130

GAS TURBINES
Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915

- Gas turbine exhaust nozzle — for noise reduction
[NASA-CASE-LEW-11569-1] c 07 N74-15453
- Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
- Counter pumping debris excluder and separator — gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
- Direct heating surface combustor
[NASA-CASE-LEW-11877-1] c 34 N78-27357
- Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
- Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
- Corrosion resistant thermal barrier coating — protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188

GAS VALVES

- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087
- Thermally operated valve Patent
[NASA-CASE-XLE-00815] c 15 N70-35407
- Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051
- Slow opening valve
[NASA-CASE-MSC-20112-1] c 37 N82-28641
- Reactant pressure differential control for fuel cell gases
[NASA-CASE-MSC-20127-1] c 44 N82-32843

GAS WELDING

- Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871
- Gran refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683

GAS-LIQUID INTERACTIONS

- Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282

GAS-METAL INTERACTIONS

- Improved refractory coatings — sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- Method and apparatus for coating substrates using lasers
[NASA-CASE-LEW-13526-1] c 26 N82-22347
- Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415

GAS-SOLID INTERACTIONS

- Apparatus and method to keep the walls of a free space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 73 N83-12986

GASDYNAMIC LASERS

- Diatom infrared gasdynamic laser — for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426

GASEOUS DIFFUSION

- Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
- Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759
- Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749

GASEOUS FISSION REACTORS

- Gas core nuclear reactor Patent
[NASA-CASE-LEW-10250-1] c 22 N71-28759

GASEOUS ROCKET PROPELLANTS

- Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245
- Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983

GASES

- Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372
- Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265
- Combustion detector
[NASA-CASE-LAR-10739-1] c 14 N73-16484
- Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
- Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345

GASKETS

- Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- Reinforced polyquinoxaline gasket and method of preparing the same — resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126

GATES (CIRCUITS)

- Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
- SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
- Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
- Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
- Increasing efficiency of switching type regulator circuits Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
- Memory device for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-2] c 60 N78-10709
- Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
- Controller for computer control of brushless dc motors — automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
- Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- Pulsed phase locked loop strain monitor — voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626

GATES (OPENINGS)

- Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935

GAW-1 AIRFOIL

- Airfoil shape for flight at subsonic speeds — design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154

GEAR TEETH

- Wobble gear drive mechanism — for aerospace environments
[NASA-CASE-WOO-00625] c 37 N78-17385
- Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717

GEARS

- Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692
- Bi-directional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
- Self-lubricating gears and other mechanical parts Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
- Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
- Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
- Directional gear ratio transmission
[NASA-CASE-LAR-12644-1] c 37 N82-29605

GELLED ROCKET PROPELLANTS

- Process of forming particles in a cryogenic path Patent
[NASA-CASE-NPO-10250] c 23 N71-16212

GELS

- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906

GENERAL AVIATION AIRCRAFT

- Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 03 N81-29107

GENERATORS

- Apparatus for establishing flow of a fluid mass having a known velocity
[NASA-CASE-MFS-21424-1] c 34 N74-27730

GEODESY

- Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N81-26085

GEODETIC SURVEYS

- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344

GEODIMETERS

- Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344

GEOLOGICAL SURVEYS

- Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709
- Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906

GERMANIUM

- Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320

GIMBALS

- Gimballed, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
- Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
- Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
- Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
- Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
- Failure detection and control means for improved drift performance of a gimballed platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
- Autonomous navigation system — gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047
- Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N81-22048

GIRDERS

- Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N81-12283

GLANDS (SEALS)

- Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488
- Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447

GLASS

- Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267
- Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
- Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
- Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019
- Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
- Covered silicon solar cells and method of manufacture — with polymers films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
- Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
- Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
- Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260
- Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 37 N80-29705
- Acoustic bubble removal
[NASA-CASE-NPO-15334-1] c 37 N82-22497
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396
- Method and apparatus for producing concentric hollow spheres — for nuclear fusion by inertial confinement
[NASA-CASE-NPO-14596-2] c 31 N82-25401
- Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

GLASS COATINGS

- Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681
- Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- Transmitting and reflecting diffuser — using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
- High temperature glass thermal control structure and coating
[NASA-CASE-ARC-11164-1] c 27 N82-10228
- Method for repair of thin glass coatings — on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520

GLASS ELECTRODES

- Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
- Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836

GLASS FIBER REINFORCED PLASTICS

- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915

- Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
- GLASS FIBERS**
Non-magnetic battery case Patent
[NASA-CASE-XGS-00886] c 03 N71-11053
Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489
Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
Method of repairing discontinuity in fiberglass structures
[NASA-CASE-LAR-10416-1] c 24 N74-30001
Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310
Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
Fiberglass/epoxy composite automotive door structure including a glass-reinforced intrusion strip
[NASA-CASE-NPO-15057-1] c 24 N81-19230
Glass compositions with a high modulus of elasticity --- nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
- GLAUCOMA**
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
- GLIDE PATHS**
Integrated lift/drag controller for aircraft
[NASA-CASE-ARC-10456-1] c 05 N75-12930
- GLOBES**
Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
- GLOVES**
Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080
Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N82-32985
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N82-32986
- GLOW DISCHARGES**
Deposition of alloy films --- on irregular shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245
Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401
- GLUCOSE**
Use of the enzyme hexokinase for the reduction of inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487
- GOLD COATINGS**
Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672
- GONDOLAS**
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
- GRANULAR MATERIALS**
Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
- GRAPHITE**
Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735
Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
- GRAPHITE-EPOXY COMPOSITES**
Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
- GRAPHITE-POLYIMIDE COMPOSITES**
Graphite/polyimide structural applications
[NASA-CASE-LAR-12547-1] c 24 N82-25324
- GRATINGS (SPECTRA)**
Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003
Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- GRAVIMETERS**
Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- GRAVITATION**
Alignment apparatus using a laser having a gravitationally sensitive cavity reflector
[NASA-CASE-ARC-10444-1] c 16 N73-33397
Anti-gravity device
[NASA-CASE-MFS-22758-1] c 70 N75-26789
- GRAVITATIONAL CONSTANT**
Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
- GRAVITATIONAL EFFECTS**
Locomotion and restraint aid Patent
[NASA-CASE-ARC-10153] c 05 N71-28619
Rotary plant growth accelerating apparatus --- weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503
Lower body negative pressure apparatus
[NASA-CASE-MFS-20202-1] c 54 N83-18254
- GRAVITATIONAL FIELDS**
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- GRAVITY GRADIENT SATELLITES**
Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729
Station keeping of a gravity gradient stabilized satellite
[NASA-CASE-XLA-03132] c 31 N71-22969
- GRAVITY GRADIOMETERS**
Gravity device Patent
[NASA-CASE-XMF-00424] c 11 N70-38196
Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324
- GRAZING INCIDENCE**
Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
- GRIDS**
Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310
Apparatus for forming dished ion thruster grids
[NASA-CASE-LEW-11694-2] c 37 N78-14461
Method of constructing dished ion thruster grids to provide hole array spacing compensation
[NASA-CASE-LEW-11876-1] c 20 N76-21276
Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666
- GRINDING (MATERIAL REMOVAL)**
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- GRINDING MACHINES**
Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905
- GROOVES**
Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877
Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474
Spiral groove seal --- for rotating shaft
[NASA-CASE-XLE-10326-4] c 37 N74-15125
- GROUND EFFECT MACHINES**
Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039
Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689
Open tube guideway for high speed air cushioned vehicles
[NASA-CASE-LAR-10256-1] c 85 N74-34672
- GROUND HANDLING**
Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
- GROUND STATIONS**
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
Ultra stable frequency distribution system
[NASA-CASE-NPO-13836-1] c 32 N78-15323
- GROUND SUPPORT EQUIPMENT**
Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043
Apparatus for measuring an aircraft's speed and height
[NASA-CASE-LAR-12275-1] c 35 N79-18296
- GROUND-AIR-GROUND COMMUNICATION**
Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448
- GROUT**
Antenna grout replacement system
[NASA-CASE-NPO-15205-1] c 37 N81-19457
- GUARDS (SHIELDS)**
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
- GUIDANCE (MOTION)**
Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039
Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
Cable stabilizer for open shaft cable operated elevators
[NASA-CASE-KSC-10513] c 15 N72-25453
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346
Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098
- GUIDANCE SENSORS**
Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621
Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
Sun direction detection system
[NASA-CASE-NPO-13722-1] c 74 N77-22951
Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 54 N79-20746
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N81-22048
Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N81-22894
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346
Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231
- GUN LAUNCHERS**
Self-obturator, gas operated launcher
[NASA-CASE-NPO-11013] c 11 N72-22247
- GUN PROPELLANTS**
Nitramine propellants --- gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255
Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084
- GUNN EFFECT**
Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
Shielded cathode mode bulk effect devices
[NASA-CASE-ERC-10119] c 26 N72-21701
Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
- GUNS**
Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454
- GYNECOLOGY**
Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- GYRATORS**
Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
Gyrator employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232

Integrated P-channel MOS gyrotor
[NASA-CASE-MFS-22343-1] c 33 N74-34638
Integrable power gyrotor — with Z-matrix design using parallel transistors
[NASA-CASE-MFS-22342-1] c 33 N75-30428

GYROSCOPES

Externally pressurized fluid bearing Patent
[NASA-CASE-XMF-00515] c 15 N70-34664
Air bearing Patent
[NASA-CASE-XMF-00339] c 15 N70-39896
Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132
Temperature compensated digital inertial sensor — circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094
All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399

GYROSCOPIC PENDULUMS

Autonomous navigation system — gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047

GYROSTABILIZERS

Passive dual spin misalignment compensators — gyro stabilized device
[NASA-CASE-GSC-11479-1] c 35 N74-28097
Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N81-22048

H**HAFFNIUM**

Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584

HALIDES

Method for producing dispersion strengthened alloys by converting metal to a halide, comminuting, reducing the metal halide to the metal and sintering
[NASA-CASE-LEW-10450-1] c 15 N72-25448
Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643

HALL EFFECT

Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037
Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
Redundant speed control for brushless Hall effect motor
[NASA-CASE-MFS-20207-1] c 09 N73-32107
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
Magnetic field control — electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569

HALL GENERATORS

Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037

HALOGENS

Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739

HAMMERS

Apparatus for making diamonds
[NASA-CASE-MFS-20698] c 15 N72-20446

HAND (ANATOMY)

Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
Therapeutic hand exerciser
[NASA-CASE-LAR-11667-1] c 52 N76-19785
Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652

HANDLING EQUIPMENT

Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133

HARDENING (MATERIALS)

Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236

HARMONIC GENERATORS

Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223

HARNESSES

Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085

Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915

HATCHES

Emergency escape system Patent
[NASA-CASE-MSC-12086-1] c 05 N71-12345

HEAD-UP DISPLAYS

Heads up display
[NASA-CASE-LAR-12630-1] c 06 N82-29319

HEART FUNCTION

Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
Ultrasonic biomedical measuring and recording apparatus — for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726

HEART RATE

Digital cardiometer system Patent
[NASA-CASE-XMS-02399] c 05 N71-22896
Ratemeter
[NASA-CASE-MFS-20418] c 14 N73-24473
Digital computing cardiometer
[NASA-CASE-MFS-20284-1] c 52 N74-12778
Pulse transducer with artifact signal attenuator — heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
Dual physiological rate measurement instrument
[NASA-CASE-MSC-20078-1] c 52 N82-32971

HEAT

Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01903] c 22 N71-23599

HEAT EXCHANGERS

Electro-thermal rocket Patent
[NASA-CASE-XLE-00267] c 28 N70-33356
Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439
Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
Condensate removal device for heat exchanger
[NASA-CASE-MSC-14143-1] c 77 N75-20139
Heat exchanger system and method
[NASA-CASE-LAR-10799-2] c 34 N76-17317
Heat transfer device
[NASA-CASE-MFS-22938-1] c 34 N76-18374
Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413
Combustor — low nitrogen oxide formation
[NASA-CASE-NPO-13958-1] c 25 N79-11151
Fuel delivery system including heat exchanger means
[NASA-CASE-LEW-12793-1] c 37 N79-11403
Heat exchanger — rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
Heat exchanger and method of making — bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
Thermal energy transformer
[NASA-CASE-NPO-14058-1] c 44 N79-18443
Portable breathing system — a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MSC-16182-1] c 54 N80-10799
Heat exchanger and method of making — rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
A cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N81-19344
Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519

HEAT FLUX

Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459
Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948

HEAT MEASUREMENT

Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
Specific wavelength colorimeter — for measuring given solute concentration in test sample
[NASA-CASE-MSC-14081-1] c 35 N74-27860

HEAT PIPES

Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486

Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353

Structural heat pipe — for spacecraft wall thermal insulation system

[NASA-CASE-GSC-11619-1] c 34 N75-12222

Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515

Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379

Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336

Multi-chamber controllable heat pipe
[NASA-CASE-ARC-10199] c 34 N78-17337

Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523

Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 25 N81-19245

Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 44 N81-24525

High thermal power density heat transfer — thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399

Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 44 N83-12525

Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596

HEAT PUMPS

Thermal pump-compressor for space use Patent
[NASA-CASE-XLA-00377] c 33 N71-17610

Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084

Pump for delivering heated fluids
[NASA-CASE-NPO-11417] c 15 N73-24513

Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335

Cooling system for high speed aircraft
[NASA-CASE-LAR-12406-1] c 05 N81-26114

Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N82-24449

HEAT RADIATORS

Capillary radiator Patent
[NASA-CASE-XLE-03307] c 33 N71-14035

Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611

Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026

HEAT RESISTANT ALLOYS

High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283

Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616

High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-02991] c 17 N71-16025

Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365

Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465

Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301

Method of forming articles of manufacture from superalloy powders
[NASA-CASE-LEW-10805-2] c 37 N74-13179

Refractory porcelain enamel passive control coating for high temperature alloys
[NASA-CASE-MFS-22324-1] c 27 N75-27160

Cermet composition and method of fabrication — heat resistant alloys and powders
[NASA-CASE-NPO-13120-1] c 27 N76-15311

Metallic hot wire anemometer — for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400

Method of growing composites of the type exhibiting the Soret effect — improved structure of eutectic alloy crystals
[NASA-CASE-MFS-22926-1] c 24 N77-27187

Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279

Nickel base alloy — for gas turbine engine stator vanes
[NASA-CASE-LEW-12270-1] c 26 N77-32280

Directionally solidified eutectic gamma-gamma nickel-base superalloys
[NASA-CASE-LEW-12905-1] c 26 N78-18183

Overlay metallic-cermet alloy coating systems — for gas turbine engines
[NASA-CASE-LEW-13639-1] c 27 N82-33522

Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683

HEAT SHIELDING

Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459

Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871

- Heat shield Patent
[NASA-CASE-XMS-00486] c 33 N70-33344
- Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
- Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631
- Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
- Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242
- Synthesis of polymeric Schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
- Lightweight refractory insulation and method of preparing the same Patent
[NASA-CASE-XMF-05279] c 18 N71-16124
- Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
- Spacecraft Patent
[NASA-CASE-MS-C-13047-1] c 31 N71-25434
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MS-C-12109] c 18 N71-26285
- Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MS-C-12619-2] c 27 N79-12221
- Thermal insulation protection means
[NASA-CASE-MS-C-12737-1] c 24 N79-25142
- Installing fiber insulation
[NASA-CASE-MS-C-16973-1] c 37 N81-14317
- Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MS-C-18134-1] c 37 N81-15363
- Multilayer thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417
- Mechanical fastener
[NASA-CASE-LAR-12738-1] c 18 N82-33419
- Thermal control system
[NASA-CASE-GSC-12771-1] c 34 N83-12361
- Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N83-14275
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MS-C-18832-1] c 27 N83-18908
- HEAT SINKS**
- Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
- Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
- Compact pulsed laser having improved heat conductance
[NASA-CASE-NPO-13147-1] c 36 N77-25502
- Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- Radiative cooler
[NASA-CASE-NPO-15465-1] c 18 N82-10106
- Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 44 N83-12525
- HEAT SOURCES**
- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031
- Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Portable electrophoresis apparatus using minimum electrolyte
[NASA-CASE-NPO-13274-1] c 25 N79-10163
- HEAT STORAGE**
- Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24696
- Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
- HEAT TRANSFER**
- Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
- Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
- Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
- Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE-XMS-04268] c 33 N71-16277
- Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445
- Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989
- Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
- Heat conductive resiliently compressible structure for space electronics package modules Patent
[NASA-CASE-MS-C-12389] c 33 N71-29052
- Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026
- Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N72-11084
- High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- Thermal control system for a spacecraft modular housing
[NASA-CASE-GSC-11018-1] c 31 N73-30829
- Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606
- Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
- Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- Heat exchanger
[NASA-CASE-MFS-22991-1] c 34 N77-10463
- Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
- Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
- Heat exchanger and method of making
[NASA-CASE-LEW-12441-3] c 44 N81-24519
- A stable density-stratification solar pond
[NASA-CASE-NPO-15419-1] c 44 N81-27599
- Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368
- Thermal control system
[NASA-CASE-GSC-12771-1] c 34 N83-12361
- Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596
- HEAT TRANSMISSION**
- Heat flow calorimeter --- measures output of Ni-Cd batteries
[NASA-CASE-GSC-11434-1] c 34 N74-27859
- Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692
- HEAT TREATMENT**
- High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
- Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871
- Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
- Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
- Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184
- Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
- Method of heat treating a formed powder product material
[NASA-CASE-LEW-10805-3] c 26 N74-10521
- Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
- Method for detecting pollutants --- through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
- Method of producing complex aluminum alloy parts of high temper. and products thereof
[NASA-CASE-MS-C-19693-1] c 26 N78-24333
- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450
- Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
- Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 28 N82-12240
- HEATERS**
- Inherent redundancy electric heater
[NASA-CASE-MFS-21462-1] c 33 N74-14935
- HEATING**
- System for preconditioning a combustible vapor
[NASA-CASE-NPO-12072] c 28 N72-22772
- Diffusion welding in air --- solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-LEW-11387-1] c 37 N74-18128
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 39 N80-25693
- An improved synthesis of 2,4,8,10-tetroxaspiro (5,5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472
- HEATING EQUIPMENT**
- Method and apparatus for controllably heating fluid Patent
[NASA-CASE-XMF-04237] c 33 N71-16278
- Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Self-cycling fluid heater
[NASA-CASE-MS-C-15567-1] c 33 N73-16918
- Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
- Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396
- HELICAL ANTENNAS**
- Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
- Collapsible high gain antenna
[NASA-CASE-KSC-10392] c 07 N73-26117
- HELICOPTER WAKES**
- Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018
- HELICOPTERS**
- Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
- Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
- Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847
- Helicopter rotor airfoil
[NASA-CASE-LAR-12396-1] c 02 N79-24958
- HELIOSTATS**
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- HELIUM**
- Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
- High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
- Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575
- Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
- Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- HELIUM HYDROGEN ATMOSPHERES**
- Method and means for helium/hydrogen ratio measurement by alpha scattering
[NASA-CASE-NPO-14079-1] c 25 N80-20334
- HELIUM IONS**
- Charge transfer reaction laser with preionization means
[NASA-CASE-NPO-13945-1] c 36 N78-27402
- HELIUM-NEON LASERS**
- Laser communication system for controlling several functions at a location remote to the laser
[NASA-CASE-LAR-10311-1] c 16 N73-16536
- Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422
- HELMETS**
- Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193
- Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333
- Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680
- Emergency space-suit helmet
[NASA-CASE-MS-C-10954-1] c 54 N78-18761
- Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

HELMHOLTZ RESONATORS

Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 71 N83-15044

HEMISPHERICAL SHELLS

Anti-glare improvement for optical imaging systems
Patent
[NASA-CASE-NPO-10337] c 14 N71-15604

HERMETIC SEALS

Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Hermetically sealed explosive release mechanism
Patent
[NASA-CASE-XGS-00824] c 15 N71-16078
Traveling sealer for contoured table Patent
[NASA-CASE-XLA-01494] c 15 N71-24164
Method for detecting leaks in hermetically sealed
containers Patent
[NASA-CASE-ERC-10045] c 15 N71-24910
Hermetic sealed vibration damper Patent
[NASA-CASE-MS-10959] c 15 N71-26243
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132
Hermetically sealed elbow actuator
[NASA-CASE-MFS-14710] c 09 N72-22195
Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
Device for tensioning test specimens within an
hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
Cooling system for removing metabolic heat from an
hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493
Moisture content and gas sampling device --- to test
hermetically sealed electronic equipment
[NASA-CASE-MS-18866-1] c 35 N82-26634
Hermetically sealable package for hybrid solid-state
electronic devices and the like
[NASA-CASE-MS-20181-1] c 33 N82-28549

HEXAGONS

Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515

HEXAMETHYLENETETRAMINE

Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999

HEXOKINASE

Use of the enzyme hexokinase for the reduction of
inherent light levels
[NASA-CASE-XGS-05533] c 04 N69-27487

HIGH ACCELERATION

Universal pilot restraint suit and body support therefor
Patent
[NASA-CASE-XAC-00405] c 05 N70-41819
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

HIGH ALTITUDE

Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
Sun sensing guidance system for high altitude aircraft
[NASA-CASE-FRC-11052-1] c 04 N82-23231

HIGH ALTITUDE BALLOONS

Thin film strain transducer --- for strain monitoring of
high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632

HIGH ALTITUDE ENVIRONMENTS

Method of making a solid propellant rocket motor
Patent
[NASA-CASE-XLA-04126] c 28 N71-26779

HIGH ASPECT RATIO

Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
Landing arrangement for aerial vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

HIGH FREQUENCIES

Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414
Filtering technique based on high-frequency plant
modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097

HIGH GAIN

Filtering technique based on high-frequency plant
modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097

HIGH PASS FILTERS

Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573

HIGH POLYMERS

Variable stiffness polymeric damper
[NASA-CASE-XAC-11225] c 14 N69-27486

HIGH POWER LASERS

Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418
High power metallic halide laser --- amplifying a copper
chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616

HIGH PRESSURE

High-temperature, high-pressure spherical segment
valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
High pressure filter Patent
[NASA-CASE-NPO-00732] c 28 N70-41447
Antiflutter ball check valve Patent
[NASA-CASE-XNP-01152] c 15 N70-41811
Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
High pressure air valve Patent
[NASA-CASE-MS-11010] c 15 N71-19485
Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234
High pressure helium purifier Patent
[NASA-CASE-XMF-06888] c 15 N71-24044
Liquid aerosol dispenser
[NASA-CASE-MFS-20829] c 12 N72-21310
Gas compression apparatus
[NASA-CASE-MS-14757-1] c 35 N78-10428
Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
Shaft seal assembly for high speed and high pressure
applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
Surface conforming thermal/pressure seal --- tail
assemblies of space shuttle orbiters
[NASA-CASE-MS-18422-1] c 37 N82-16408

HIGH RESOLUTION

High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
High resolution
Founer
interferometer-spectrophotopolarimeter
[NASA-CASE-NPO-13604-1] c 35 N76-31490
High resolution threshold photoelectron spectroscopy
by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
Interferometer --- high resolution
[NASA-CASE-NPO-14448-1] c 74 N81-29963
High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N82-24973
Correlation spectrometer having high resolution and
multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N82-26636
Retinally stabilized differential resolution television
display
[NASA-CASE-JPO-15432-1] c 32 N83-12308

HIGH SPEED

Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473
High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
High speed rolling element bearing
[NASA-CASE-LEW-10856-1] c 15 N72-22490
Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931
Selective data segment monitoring system --- using shift
registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760
Shaft seal assembly for high speed and high pressure
applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N82-24973

HIGH SPEED CAMERAS

Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273

HIGH STRENGTH

Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539

HIGH STRENGTH ALLOYS

High temperature cobalt-base alloy Patent
[NASA-CASE-XLE-00726] c 17 N71-15644
Low temperature aluminum alloy Patent
[NASA-CASE-XMF-02786] c 17 N71-20743
Method of producing refractory composites containing
tantalum carbide, hafnium carbide, and hafnium boride
Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
Nickel base alloy
[NASA-CASE-LEW-10874-1] c 17 N72-22535
Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484

HIGH STRENGTH STEELS

Prevention of hydrogen embrittlement of high strength
steel by hydrazine compositions --- by adding potassium
hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203
Process for making a high toughness-high strength iron
alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271

HIGH TEMPERATURE

High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545
Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255
Hypersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925
Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
Induction furnace with perforated tungsten foil shielding
Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
Method of making fiber composites
[NASA-CASE-LEW-10424-2-2] c 18 N72-25539
Method of forming superalloys
[NASA-CASE-LEW-10805-1] c 15 N73-13465
High temperature beryllium oxide capacitor
[NASA-CASE-LEW-11938-1] c 33 N76-15373
Low to high temperature energy conversion system
[NASA-CASE-NPO-13510-1] c 44 N77-32581
Thermocouples of molybdenum and indium alloys for
more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346
High thermal power density heat transfer --- thermionic
converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399

HIGH TEMPERATURE AIR

Apparatus and method for generating large mass flow
of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-28144

HIGH TEMPERATURE ENVIRONMENTS

High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
Nickel-base alloy Patent
[NASA-CASE-XLE-00283] c 17 N70-36616
Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
Trielectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365
Installing fiber insulation
[NASA-CASE-MS-16973-1] c 37 N81-14317
Corrosion resistant thermal barrier coating --- protecting
gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
High temperature penetrator assembly with bayonet plug
and ramp-activated lock
[NASA-CASE-MS-18526-1] c 37 N82-24494
Fully plasma-sprayed compliant backed ceramic turbine
seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453

HIGH TEMPERATURE FLUIDS

Self-cycling fluid heater
[NASA-CASE-MS-15567-1] c 33 N73-16918
High-temperature microphone system --- for measuring
pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203

HIGH TEMPERATURE GASES

Instrument for the quantitative measurement of radiation
at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946
Ablative resin Patent
[NASA-CASE-XLE-05913] c 33 N71-14032
Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641
Apparatus and method for generating large mass flow
of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

- Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374
- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790
- Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N81-12363
- Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
- Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385
- HIGH TEMPERATURE LUBRICANTS**
- Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105
- Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710
- Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916
- HIGH TEMPERATURE PLASMAS**
- Method and apparatus for producing a plasma Patent
[NASA-CASE-XLA-00147] c 25 N70-34661
- HIGH TEMPERATURE PROPELLANTS**
- Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- HIGH TEMPERATURE RESEARCH**
- Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568
- Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
- High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217
- HIGH TEMPERATURE TESTS**
- High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817
- High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- Apparatus for positioning and loading a test specimen Patent
[NASA-CASE-XLE-01300] c 15 N70-41993
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 39 N80-25693
- Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426
- HIGH VACUUM**
- Sealing device for an electrochemical cell Patent
[NASA-CASE-XGS-02630] c 03 N71-22974
- Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701
- Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
- Plasma cleaning device --- designed for high vacuum environments
[NASA-CASE-MFS-22906-1] c 75 N78-27913
- HIGH VACUUM ORBITAL SIMULATOR**
- Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773
- HIGH VOLTAGES**
- Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542
- High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201
- High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518
- High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
- High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583
- High voltage distributor
[NASA-CASE-GSC-11849-1] c 33 N76-16332
- Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385
- High voltage V-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N82-24717
- High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764
- HIGHWAYS**
- Traffic survey system --- using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888
- HINGES**
- Foldable beam
[NASA-CASE-LAR-12077-1] c 31 N81-25259
- Hinged strike aircraft control system
[NASA-CASE-LAR-12860-1] c 05 N82-26278
- Self-locking mechanical center joint --- for space construction
[NASA-CASE-LAR-12864-1] c 37 N82-29606
- Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 44 N82-29713
- HISTOGRAMS**
- Data compression system
[NASA-CASE-XNP-09785] c 08 N69-21928
- HOLDERS**
- Water cooled contactor for anode in carbon arc mechanism
[NASA-CASE-XMS-03700] c 15 N69-24266
- Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
- Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311
- Adjustable force probe
[NASA-CASE-MFS-20760] c 14 N72-33377
- Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
- Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483
- Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655
- Fixture for environmental exposure of structural materials under compression
[NASA-CASE-LAR-12602-1] c 35 N81-19429
- Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482
- Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
- Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
- Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492
- Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N82-29604
- Method and apparatus for gripping uniaxial fibrous composite materials --- holding specimens for mechanical property testing
[NASA-CASE-LEW-13758-1] c 24 N83-12176
- Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312
- Apparatus and method for inspecting a bearing ball --- eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316
- HOLE DISTRIBUTION (MECHANICS)**
- Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- HOLE MOBILITY**
- Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460
- HOLLOW**
- Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
- HOLLOW CATHODES**
- Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186
- HOLOGRAPHIC INTERFEROMETRY**
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 35 N81-12386
- Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N81-27459
- HOLOGRAPHY**
- Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
- Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
- Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
- Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
- Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324
- Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476
- Method and apparatus for checking the stability of a setup for making reflection type holograms
[NASA-CASE-MFS-21455-1] c 35 N74-15146
- Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
- Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
- Holographic system for nondestructive testing
[NASA-CASE-MFS-21704-1] c 35 N75-25124
- Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
- Holographic motion picture camera with Doppler shift compensation
[NASA-CASE-MFS-22517-1] c 35 N76-18402
- Optical process for producing classification maps from multispectral data
[NASA-CASE-MSC-14472-1] c 43 N77-10584
- HOMING DEVICES**
- Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
- HONEYCOMB CORES**
- Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
- Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522
- Honeycomb core structures of minimal surface tubule sections
[NASA-CASE-ERC-10363] c 18 N72-25541
- HONEYCOMB STRUCTURES**
- Method for making a heat insulating and ablative structure
[NASA-CASE-XMS-01108] c 15 N69-24322
- Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
- Fluid flow control valve Patent
[NASA-CASE-XLE-00703] c 15 N71-15967
- Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
- Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
- Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
- Honeycomb panels formed of minimal surface periodic tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540
- Bonding or repairing process
[NASA-CASE-MSC-12357] c 15 N73-12489
- Insert facing tool --- manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
- Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575
- Honeycomb-laminate composite structure
[NASA-CASE-ARC-10913-1] c 24 N78-15180
- Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N82-29714
- HOOKS**
- Line hook with loop expander
[NASA-CASE-LAR-12875-1] c 37 N83-20156
- HORIZON SCANNERS**
- Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
- Multi-lobar scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427
- Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
- Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
- Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
- Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475
- HORIZONTAL SPACECRAFT LANDING**
- Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
- HORIZONTAL TAIL SURFACES**
- Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
- HORN ANTENNAS**
- Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
- Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
- Horn feed having overlapping apertures Patent
[NASA-CASE-GSC-10452] c 07 N71-12396
- Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907

- Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
- Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330
- Highly efficient antenna system using a corrugated horn and scanning hyperbolic reflector
[NASA-CASE-NPO-13568-1] c 32 N76-21365
- Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321
- Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
- Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
- Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278

HOT CATHODES

- Ion thruster cathode
[NASA-CASE-XLE-07087] c 06 N69-39889

HOT PRESSING

- Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
- Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N81-16470

HOT WORKING

- Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803

HOT-WIRE ANEMOMETERS

- Metallic hot wire anemometer — for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
- Method for making a hot wire anemometer and product thereof
[NASA-CASE-ARC-10900-1] c 35 N77-24454

HOT-WIRE FLOWMETERS

- Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
- Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364
- Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

HOUSINGS

- Sealed cabinetry Patent
[NASA-CASE-MSC-12168-1] c 09 N71-18600
- Open type urine receptacle
[NASA-CASE-MSC-12324-1] c 05 N72-22093
- Universal environment package with sectional component housing
[NASA-CASE-KSC-10031] c 15 N72-22486
- Gas flow control device
[NASA-CASE-NPO-11479] c 15 N73-13462
- Cryogenic gyroscope housing — with annular disks for gas spin-up
[NASA-CASE-MFS-21136-1] c 35 N74-18323
- Heat transfer device
[NASA-CASE-NPO-11120-1] c 34 N74-18552
- Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500

HOVERING

- Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039

HUGONIOT EQUATION OF STATE

- Determining particle density using known material Hugoniot curves
[NASA-CASE-LAR-11059-1] c 76 N75-12810

HULLS (STRUCTURES)

- Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305

HUMAN BEINGS

- Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
- Emergency escape system Patent
[NASA-CASE-XKS-07814] c 15 N71-27067

HUMAN BODY

- Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
- Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
- Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
- Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737

HUMAN FACTORS ENGINEERING

- Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152
- Harness assembly Patent
[NASA-CASE-MFS-14671] c 05 N71-12341

- Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909

- Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089
- Extravehicular tunnel suit system Patent
[NASA-CASE-MSC-12243-1] c 05 N71-24728
- EEG sleep analyzer and method of operation Patent
[NASA-CASE-MSC-13282-1] c 05 N71-24729
- Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735
- Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736
- Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
- Urine collection apparatus — feminine hygiene
[NASA-CASE-MSC-18361-1] c 52 N81-28740
- Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
- Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280

HUMAN PERFORMANCE

- Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015

HUMAN REACTIONS

- Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114

HUMAN WASTES

- Reduced gravity fecal collector seat and unna
[NASA-CASE-MFS-22102-1] c 54 N74-20725
- Automatic biowaste sampling
[NASA-CASE-MSC-14640-1] c 54 N76-14804
- Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 52 N82-26960
- Absorbent product to absorb fluids — for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362

HUMIDITY

- Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
- Apparatus for supplying conditioned air at a substantially constant temperature and humidity
[NASA-CASE-GSC-12191-1] c 31 N80-32583

HYBRID CIRCUITS

- Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N83-20757

HYBRID COMPUTERS

- Adaptive voting computer system
[NASA-CASE-MSC-13932-1] c 62 N74-14920

HYBRID PROPELLANTS

- Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392

HYDRAULIC CONTROL

- Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578
- Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580
- Fluidic-thermochromic display device Patent
[NASA-CASE-ERC-10031] c 12 N71-18603
- Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
- Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479

HYDRAULIC EQUIPMENT

- Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
- Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
- Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
- Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
- Hydraulic grip Patent
[NASA-CASE-XLA-05100] c 15 N71-17696
- Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530
- Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
- Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754
- Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128
- Hydraulic transformer Patent
[NASA-CASE-MFS-20830] c 15 N71-30028
- Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021

- Geysering inhibitor for vertical cryogenic transfer pipe
[NASA-CASE-KSC-10615] c 15 N73-12486
- Redundant hydraulic control system for actuators
[NASA-CASE-MFS-20944] c 15 N73-13466
- Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050
- Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
- Filter regeneration systems — a system for regenerating a system filter in a fluid flow line
[NASA-CASE-MSC-14273-1] c 34 N75-33342
- Quick disconnect filter coupling
[NASA-CASE-MFS-22323-1] c 37 N76-14463
- Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
- Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N82-20545
- Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693

HYDRAULIC FLUIDS

- Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790

HYDRAZINE ENGINES

- Reciprocating engines
[NASA-CASE-MSC-16239-1] c 37 N81-32510

HYDRAZINE NITROFORM

- Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764

HYDRAZINES

- Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688
- Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions — by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203

HYDROCARBON COMBUSTION

- In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452

HYDROCARBON FUEL PRODUCTION

- Molten salt pyrolysis of latex — synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261

HYDROCARBON FUELS

- Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700
- Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704

HYDROCARBONS

- Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
- Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
- Combustion engine — for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-13497
- Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514

HYDROCHLORIC ACID

- Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742

HYDROCRACKING

- Autocatalytic coal liquefaction process
[NASA-CASE-NPO-14876-2] c 28 N82-25394

HYDROFOILS

- Hydrofoil Patent
[NASA-CASE-XLA-00229] c 12 N70-33305

HYDROFORMING

- Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346

HYDROGEN

- Method for detecting hydrogen gas
[NASA-CASE-XMF-03873] c 06 N69-39733
- Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
- Pulse activated polarographic hydrogen detector Patent
[NASA-CASE-XMF-06531] c 14 N71-17575
- Hydrogen leak detection device Patent
[NASA-CASE-MFS-11537] c 14 N71-20442
- Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146
- Hydrogen fire blink detector
[NASA-CASE-MFS-15063] c 14 N72-25412

Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MSC-13335-1] c 06 N72-31140

Atomic hydrogen maser with bulb temperature control to remove wall shift in maser output frequency
[NASA-CASE-HQN-10654-1] c 16 N73-13489

Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029

Atomic standard with variable storage volume
[NASA-CASE-GSC-11895-1] c 35 N76-15436

Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446

Hydrogen-bromine secondary battery
[NASA-CASE-NPO-13237-1] c 44 N76-18641

Hydrogen-rich gas generator
[NASA-CASE-NPO-13464-1] c 44 N76-18642

Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607

Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580

Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067

Method of cross-linking polyvinyl alcohol and other water soluble resins
[NASA-CASE-LEW-13103-1] c 27 N80-32516

State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630

HYDROGEN ATOMS

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365

Atomic hydrogen storage --- cryotrap and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402

Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

HYDROGEN EMBRITTLEMENT

Prevention of hydrogen embrittlement of high strength steel by hydrazine compositions --- by adding potassium hydroxide to hydrazine
[NASA-CASE-NPO-12122-1] c 24 N76-14203

HYDROGEN ENGINES

Hydrogen-fueled engine
[NASA-CASE-NPO-13763-1] c 44 N78-33526

HYDROGEN FUELS

Hydrogen rich gas generator
[NASA-CASE-NPO-13342-2] c 44 N76-29700

Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704

Hydrogen-rich gas generator
[NASA-CASE-NPO-13560-1] c 44 N77-10636

Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826

HYDROGEN IONS

Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186

HYDROGEN OXYGEN FUEL CELLS

Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052

Passively regulated water electrolysis rocket engine Patent
[NASA-CASE-XGS-08729] c 28 N71-14044

HYDROGEN PEROXIDE

Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504

HYDROGEN PRODUCTION

Start up system for hydrogen generator used with an internal combustion engine
[NASA-CASE-NPO-13849-1] c 28 N80-10374

Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368

HYDROGENATION

Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805

Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127

Hydrodesulfurization of chlorinated coal
[NASA-CASE-NPO-15304-1] c 28 N82-12240

HYDROLOGY

Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

HYDROSTATIC PRESSURE

Lower body negative pressure apparatus
[NASA-CASE-MSC-20202-1] c 54 N83-18254

HYDROSTATICS

Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486

Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-13445-2] c 37 N83-17883

HYDROXIDES

Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095

Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644

HYDROXYL COMPOUNDS

Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174

HYGIENE

Urine collection apparatus --- feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740

HYGROMETERS

Polymenc electrolytic hygrometer
[NASA-CASE-NPO-13948-1] c 35 N78-25391

Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084

HYGROSCOPICITY

Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934

HYPERFINE STRUCTURE

Process for producing dispersion strengthened nickel with aluminum Patent
[NASA-CASE-XLE-06969] c 17 N71-24142

HYPERGOLIC ROCKET PROPELLANTS

Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375

Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992

Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634

HYPERSONIC AIRCRAFT

Multistage aerospace craft --- perspective drawings of conceptual design
[NASA-CASE-XMF-02263] c 05 N74-10907

HYPERSONIC FLIGHT

Hyperersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

HYPERSONIC FLOW

Hyperersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475

HYPERSONIC SPEED

Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242

Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010

Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674

High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10578-1] c 12 N73-25262

Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds
[NASA-CASE-LAR-10612-1] c 12 N73-26144

HYPERSONIC VEHICLES

Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015

HYPERSONIC WIND TUNNELS

Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

HYPERHERMIA

Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996

HYPERVELOCITY GUNS

Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213

Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578

Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152

Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

HYPERVELOCITY IMPACT

Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130

HYPERVELOCITY PROJECTILES

Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282

Multiple image stony system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324

HYPERVELOCITY WIND TUNNELS

Hyperersonic test facility Patent
[NASA-CASE-XLA-00378] c 11 N71-15925

Hyperersonic test facility Patent
[NASA-CASE-XLA-05378] c 11 N71-21475

HYSTERESIS

Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504

IDENTIFYING

Lightning discharge identification system
[NASA-CASE-KSC-11099-1] c 47 N82-24779

IGNITERS

Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784

Remote fire stack igniter --- with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378

Molded composite pyrogen igniter for rocket motors --- solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275

Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

IGNITION

Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184

IGNITION LIMITS

High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518

IGNITION SYSTEMS

Apparatus for igniting solid propellants Patent
[NASA-CASE-XLE-00207] c 28 N70-33375

Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249

Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505

Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311

Sustained arc ignition system
[NASA-CASE-LEW-12444-1] c 33 N77-28385

IGNITION TEMPERATURE

Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629

ILLUMINATORS

Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474

Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292

Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N81-22894

IMAGE CONTRAST

Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341

Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932

IMAGE CONVERTERS

Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652

Resistive anode image converter
[NASA-CASE-HQN-10876-1] c 33 N76-27473

Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449

Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841

IMAGE CORRELATORS

Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131

Automatic focus control for facsimile cameras
[NASA-CASE-LAR-11213-1] c 35 N75-15014

Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268

An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194

Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975

Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950

IMAGE DISSECTOR TUBES

Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244

Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935

IMAGE ENHANCEMENT

Method and means for an improved electron beam scanning system Patent
[NASA-CASE-ERC-10552] c 09 N71-12539

Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706

IMAGE FILTERS

Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389

IMAGE FILTERS

Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706

IMAGE INTENSIFIERS

Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389

IMAGE PROCESSING

Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968
The 3-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N83-20083

IMAGE RESOLUTION

Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072

IMAGE ROTATION

Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

IMAGE TUBES

Image tube -- deriving electron beam replica of image
[NASA-CASE-GSC-11602-1] c 33 N74-21850
System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893

IMAGES

Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
Stereoscopic television system and apparatus
[NASA-CASE-ARC-10160-1] c 23 N72-27728

IMAGING TECHNIQUES

Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-GSC-11133-1] c 23 N72-11568
Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13660
Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661
Multiple pass reimaging optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
Ritchey-Chretien Telescope
[NASA-CASE-GSC-11487-1] c 14 N73-30393
Data storage, image tube type
[NASA-CASE-MSC-14053-1] c 60 N74-12888
Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
Electron microscope aperture system
[NASA-CASE-ARC-10448-3] c 35 N77-14408
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
Full color hybrid display for aircraft simulators -- landing aids
[NASA-CASE-ARC-10903-1] c 09 N78-18083
Chromatically corrected virtual image display -- lens design for flight simulators
[NASA-CASE-LAR-12251-1] c 74 N79-14892
Multispectral imaging and analysis system -- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856
Low intensity X-ray and gamma-ray imaging device -- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140
Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210
System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403

Real-time 3D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N82-10862
Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416

High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N82-24973
Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659

IMIDES

Imidazopyrrolone/imide copolymers Patent
[NASA-CASE-XLA-08802] c 06 N71-11238
Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177
Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N81-31364
Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N83-21143

IMINES

Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236
Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239
Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243
Aromatic diamine-aromatic dialdehyde high molecular weight Schiff base polymers prepared in a monofunctional Schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

IMMOBILIZATION

Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159
Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662

IMPACT

Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443
Cosmic dust or other similar outer space particles impact location detector
[NASA-CASE-GSC-11291-1] c 25 N72-33696
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N83-19903

IMPACT ACCELERATION

Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146

IMPACT DAMAGE

Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240

IMPACT LOADS

Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225

IMPACT RESISTANCE

Electric storage battery
[NASA-CASE-NPO-11021] c 03 N72-20032
Hybrid composite laminate structures
[NASA-CASE-LEW-12118-1] c 24 N77-27188

IMPACT STRENGTH

High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625

IMPACT TESTING MACHINES

Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225

IMPACT TOLERANCES

High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101
Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420

IMPEDANCE

Reactanceless bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N83-12333

IMPEDANCE MATCHING

Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
Radio frequency coaxial high pass filter Patent
[NASA-CASE-XGS-01418] c 09 N71-23573

Tnaxial antenna Patent
[NASA-CASE-XGS-02290] c 07 N71-28809

IMPEDANCE MEASUREMENT

High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569
Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
Acoustic ground impedance meter
[NASA-CASE-LAR-12995-1] c 71 N83-15044

IMPLANTATION

Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342
Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772
Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962

IMPLANTED ELECTRODES (BIOLOGY)

Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612
Implantable electrical device
[NASA-CASE-GSC-12560-1] c 52 N82-29863

IMPLOSIONS

Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578

IMPREGNATING

Composite lamination method
[NASA-CASE-LAR-12019-1] c 24 N78-17150
Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908

IMPULSE GENERATORS

Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738

IMPURITIES

Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105

IN-FLIGHT MONITORING

System for use in conducting wake investigation for a wing in flight -- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300

INCIDENCE

Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880

INCIDENT RADIATION

Solar cell assembly -- for use under high intensity illumination
[NASA-CASE-LEW-11549-1] c 44 N77-19571
Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N82-26636

INCLINATION

Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029

INCOHERENT SCATTERING

Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859

INDICATING INSTRUMENTS

Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
Apparatus for the determination of the existence or non-existence of a bonding between two members Patent
[NASA-CASE-MFS-13686] c 15 N71-18132
Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173
Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537
System for providing an integrated display of instantaneous information relative to aircraft attitude, heading, altitude, and horizontal situation
[NASA-CASE-FRC-11005-1] c 06 N82-16075
Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628

INDIUM ALLOYS

- Method for attaching a fused-quartz mirror to a conductive metal substrate
[NASA-CASE-MFS-23405-1] c 26 N77-29260
- Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527

INDUCTANCE

- Current dependent filter inductance
[NASA-CASE-ERC-10139] c 09 N72-17154
- Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226
- Direct reading inductance meter
[NASA-CASE-NPO-13792-1] c 35 N77-32455

INDUCTION HEATING

- Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-XLA-14297-1] c 33 N81-19389
- Induction heating gun
[NASA-CASE-LAR-12540-2] c 27 N82-24345
- One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571

INDUCTION MOTORS

- Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
- Variable frequency inverter for ac induction motors with torque, speed and braking control
[NASA-CASE-MFS-22088-1] c 33 N75-15874
- Power factor control system for AC induction motors
[NASA-CASE-MFS-23280-1] c 33 N78-10376
- Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
- Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
- Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
- Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N82-22437
- Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569
- Triac failure detector
[NASA-CASE-MFS-25607-1] c 33 N82-26574
- Solar powered actuator with continuously variable auxiliary power control
[NASA-CASE-MFS-25637-1] c 44 N82-26780
- Three phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N83-17803

INDUCTORS

- Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
- Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647
- Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364
- Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393

INDUSTRIAL PLANTS

- Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457

INDUSTRIAL WASTES

- Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MSC-14831-1] c 25 N78-10225
- Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747

INERT ATMOSPHERE

- Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432

INERTIA

- Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744

INERTIAL CONFINEMENT FUSION

- Method and apparatus for producing concentric hollow spheres --- for nuclear fusion by inertial confinement
[NASA-CASE-NPO-14596-2] c 31 N82-25401
- Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-3] c 27 N82-26461
- Contactless pellet fabrication --- targets for inertial confinement fusion
[NASA-CASE-NPO-15592-1] c 31 N83-17746

INERTIAL GUIDANCE

- Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243

INERTIAL NAVIGATION

- Autonomous navigation system --- gyroscopic pendulum for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047

INERTIAL PLATFORMS

- Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289
- Temperature compensated digital inertial sensor --- circuit for maintaining inertial element of gyroscope or accelerometer at constant position
[NASA-CASE-NPO-13044-1] c 35 N74-15094
- Attitude control system
[NASA-CASE-MFS-22787-1] c 15 N77-10113
- Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152

INERTIAL REFERENCE SYSTEMS

- Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159
- Inertial reference apparatus Patent
[NASA-CASE-XAC-03107] c 23 N71-16098

INFLATABLE SPACECRAFT

- Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
- Rotating mandrel for assembly of inflatable devices Patent
[NASA-CASE-XLA-04143] c 15 N71-17687
- Method of making an inflatable panel Patent
[NASA-CASE-XLA-03497] c 15 N71-23052
- Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851

INFLATABLE STRUCTURES

- Aeroflexible structures
[NASA-CASE-XLA-06095] c 01 N69-39981
- Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
- Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
- Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
- Inflatable radar reflector unit Patent
[NASA-CASE-XMS-00893] c 07 N70-40063
- Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
- Inflation system for balloon type satellites Patent
[NASA-CASE-XGS-03351] c 31 N71-16081
- Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
- Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680
- Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
- Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
- Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708
- Modification of one man life raft
[NASA-CASE-LAR-10241-1] c 54 N74-14845
- Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761
- Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
- Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
- Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473
- Procedure for internally mounting strain gauges
[NASA-CASE-GSC-12824-1] c 35 N83-13424

INFORMATION RETRIEVAL

- Multiple hologram recording and readout system Patent
[NASA-CASE-ERC-10151] c 16 N71-29131

INFRARED DETECTORS

- Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
- Sight switch using an infrared source and sensor Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
- Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
- Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332
- Multispectral scanner optical system
[NASA-CASE-MSC-18255-1] c 74 N80-33210

- Refrigerator module, system and process --- regenerative, cryogenic cooling of an infrared radiation detection system
[NASA-CASE-ARC-11263-1] c 31 N81-27328

- Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360
- Broadband optical radiation detector
[NASA-CASE-14864-1] c 74 N83-19597

INFRARED INSTRUMENTS

- Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181

INFRARED INTERFEROMETERS

- Over-under double-pass interferometer
[NASA-CASE-NPO-13999-1] c 35 N78-18395

INFRARED LASERS

- Monitoring atmospheric pollutants with a heterodyne radiometer transmitter-receiver
[NASA-CASE-NPO-11919-1] c 35 N74-11284
- Gregonian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029

INFRARED RADIATION

- High-speed infrared furnace
[NASA-CASE-XLE-10466] c 17 N69-25147
- High field CdS detector for infrared radiation
[NASA-CASE-LAR-11027-1] c 35 N74-18088

INFRARED REFLECTION

- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186

INFRARED SCANNERS

- Infrared scanner Patent
[NASA-CASE-XLA-00120] c 21 N70-33181
- Infrared horizon locator
[NASA-CASE-LAR-10726-1] c 14 N73-20475

INFRARED SPECTRA

- Diatom infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426

INFRARED SPECTROMETERS

- Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635

INFRARED SPECTROSCOPY

- Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348

INFRASONIC FREQUENCIES

- Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363

INGOTS

- Improved ingot slicing machine
[NASA-CASE-NPO-15483-1] c 37 N82-28642

INHIBITORS

- Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228

INITIATORS (EXPLOSIVES)

- Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
- Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
- Electroexplosive device
[NASA-CASE-NPO-13858-1] c 28 N79-11231

INJECTION

- Thickness measuring and injection device Patent
[NASA-CASE-MFS-20261] c 14 N71-27005
- High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523

INJECTORS

- Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
- Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199
- Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
- Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
- Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
- Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
- Bipropellant injector
[NASA-CASE-NXP-09461] c 28 N72-23809
- Coaxial injector for reaction motors
[NASA-CASE-NPO-11095] c 15 N72-25455

Injector for use in high voltage isolators for liquid feed lines
[NASA-CASE-NPO-11377] c 15 N73-27406

Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125

INKS
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 31 N83-17745

INLET FLOW
High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908

Gas turbine combustor Patent
[NASA-CASE-LEW-10286-1] c 28 N71-28915

Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646

Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270

Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431

Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455

Gas turbine engine with recirculating bleed
[NASA-CASE-LEW-12452-1] c 07 N78-25089

Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976

INLET NOZZLES
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125

INLET PRESSURE
Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466

Shock position sensor for supersonic inlets --- measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431

INOCULATION
Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-1074-1] c 51 N75-13502

INORGANIC COATINGS
Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128

Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233

INORGANIC COMPOUNDS
Method of making membranes
[NASA-CASE-XNP-04264] c 03 N69-21337

Inorganic solid film lubricants Patent
[NASA-CASE-XMF-03988] c 15 N71-21403

Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739

Inorganic thermal control coatings
[NASA-CASE-MFS-20011] c 18 N72-22566

Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530

Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910

INORGANIC PEROXIDES
Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229

Process for the preparation of calcium superoxide
[NASA-CASE-ARC-11053-1] c 25 N79-10162

INPUT
Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806

Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172

High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814

INPUT/OUTPUT ROUTINES
Analog to digital converter
[NASA-CASE-NPO-13385-1] c 33 N76-18345

INSERTION
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836

INSERTION LOSS
Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057

INSPECTION
Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396

Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330

Apparatus and method for inspecting a bearing ball --- eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316

INSTALLING
Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296

Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409

Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473

A method and technique for installing light-weight fragile, high-temperature fiber insulation
[NASA-CASE-MSC-18934-3] c 24 N82-26387

INSTRUMENT ERRORS
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239

INSTRUMENT FLIGHT RULES
Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748

Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N82-29331

INSTRUMENT ORIENTATION
Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736

Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289

Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673

Solar energy powered heliostats
[NASA-CASE-GSC-10945-1] c 21 N72-31637

INSTRUMENT PACKAGES
Apparatus for ejection of an instrument cover
[NASA-CASE-XMF-04132] c 15 N69-27502

Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409

Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778

Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692

Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461

Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523

INSTRUMENTS
Radio frequency shielded enclosure Patent
[NASA-CASE-XMF-09422] c 07 N71-19436

Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752

Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965

Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999

Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327

Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842

Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424

Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425

INSULATED STRUCTURES
Piping arrangement through a double chamber structure
[NASA-CASE-XNP-08882] c 15 N69-39935

INSULATION
Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193

Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998

Method of removing insulated material from insulated wires
[NASA-CASE-FRC-10038] c 15 N72-20444

Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226

Insulated electrocardiographic electrodes --- without paste electrolyte
[NASA-CASE-MSC-14339-1] c 05 N75-24716

Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376

Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377

Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426

Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326

Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

INSULATORS
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574

High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302

INTAKE SYSTEMS
Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788

The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154

Fluid sampling device
[NASA-CASE-GSC-12143-1] c 35 N77-32456

Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278

Reciprocating engines
[NASA-CASE-MSC-16239-1] c 37 N81-32510

INTEGRATED CIRCUITS
Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897

Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717

Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464

Integrated circuit including field effect transistor and cermet resistor
[NASA-CASE-GSC-10835-1] c 09 N72-33205

Derivation of a tangent function using an integrated circuit four-quadrant multiplier
[NASA-CASE-MSC-13907-1] c 10 N73-26230

Coaxial inverted geometry transistor having banded emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112

Integrated circuit package with lead structure and method of preparing the same
[NASA-CASE-MFS-21374-1] c 33 N74-12951

Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638

Four phase logic systems --- including integrated microcircuits
[NASA-CASE-MSC-14240-1] c 33 N75-14957

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Feedback integrator with grounded capacitor Patent
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[NASA-CASE-NPO-10760] c 09 N72-25254

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spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254

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[NASA-CASE-NPO-14163-1] c 33 N81-14220

Adaptive control system for line-commutated inverters
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[NASA-CASE-NPO-10373] c 03 N71-18698

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[NASA-CASE-XNP-01960] c 09 N71-23027

Iodine generator for reclaimed water purification
[NASA-CASE-MS-C-14632-1] c 54 N78-14784

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[NASA-CASE-ARC-11241-1] c 25 N81-14016

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[NASA-CASE-LEW-12919-2] c 24 N82-26386

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desired ions to deflect stable ions
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Ion thruster cathode Patent Application
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Ion rocket Patent
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Rocket engine Patent
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Apparatus for increasing ion engine beam density
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Double optic system for ion engine Patent
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Electrostatic ion engine having a permanent magnetic
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[NASA-CASE-XLE-01124] c 28 N71-14043

Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02066] c 28 N71-15661

System for monitoring the presence of neutrals in a
stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518

Construction and method of arranging a plurality of ion
engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081

Electronic cathode having a brush-like structure and a
relatively thick oxide emissive coating Patent
[NASA-CASE-XLE-04501] c 09 N71-23190

Ion engine casing construction and method of making
same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293

Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642

Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781

High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850

Feed system for an ion thruster
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Ion thruster with a combination keeper electrode and
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[NASA-CASE-NPO-11880] c 28 N73-24783

Single grid accelerator for an ion thruster
[NASA-CASE-XLE-10453-2] c 28 N73-27699

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Method of constructing dished ion thruster grids to
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[NASA-CASE-LEW-11876-1] c 20 N76-21276

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ION EXCHANGE MEMBRANE ELECTROLYTES
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[NASA-CASE-XNP-04264] c 03 N69-21337

Ion-exchange membrane with platinum electrode assembly Patent
[NASA-CASE-XMS-02063] c 03 N71-29044

Formulated plastic separators for soluble electrode cells — rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313

Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187

Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268

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[NASA-CASE-NPO-14101-1] c 52 N80-14687

Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076

ION EXCHANGING

Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076

Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244

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Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148

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[NASA-CASE-GSC-12515-1] c 33 N81-26360

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Modification of the electrical and optical properties of polymers — ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437

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Ion mass spectrometer — exploring comet tails
[NASA-CASE-NPO-15423-1] c 91 N82-25042

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[NASA-CASE-LEW-13148-2] c 44 N81-29524

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Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863

ION PROPULSION

Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802

Ion rocket Patent
[NASA-CASE-XLE-00376] c 28 N70-37245

Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980

Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197

Double optic system for ion engine Patent
[NASA-CASE-XNP-02839] c 28 N70-41922

Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822

Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173

Ion thruster accelerator system Patent
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Feed system for an ion thruster
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Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771

Method of making dished ion thruster gnds
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Apparatus for forming dished ion thruster gnds
[NASA-CASE-LEW-11694-2] c 37 N76-14461

Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162

Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179

A dc to dc converter — raising battery voltage in an ion propulsion system
[NASA-CASE-MFS-25430-1] c 33 N82-28550

ION PUMPS

Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406

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Focussing system for an ion source having apertured electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618

Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046

Ion thruster accelerator system Patent
[NASA-CASE-LEW-10106-1] c 28 N71-26642

High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850

Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464

Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269

Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684

Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163

Hydrogen hollow cathode ion source
[NASA-CASE-LEW-12940-1] c 72 N80-33186

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Method and apparatus for measurement of trap density and energy distribution in dielectric films
[NASA-CASE-NPO-13443-1] c 76 N78-20994

IONIC MOBILITY

Solid electrolyte cell
[NASA-CASE-NPO-15269-1] c 44 N82-29710

IONIZATION

MHD electrical generator
[NASA-CASE-NPO-15399-1] c 75 N82-24079

Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 45 N83-18089

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Baseline stabilization system for ionization detector Patent
[NASA-CASE-XNP-03128] c 10 N70-41991

Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822

A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090

Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464

IONIZATION GAGES

Ionization vacuum gauge Patent
[NASA-CASE-XNP-00646] c 14 N70-35666

Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090

Apparatus for ionization analysis
[NASA-CASE-ARC-10017-1] c 14 N72-29464

Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391

IONIZATION POTENTIALS

Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678

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Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884

Transient heat transfer gauge Patent
[NASA-CASE-XNP-09802] c 33 N71-15641

Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148

IONIZERS

Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718

Method of making dished ion thruster gnds
[NASA-CASE-LEW-11694-1] c 20 N75-18310

IONIZING RADIATION

High-voltage cable Patent
[NASA-CASE-XNP-00738] c 09 N70-38201

Reinforced polyquinoxaline gasket and method of preparing the same — resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21364-1] c 37 N74-18126

IONOSPHERE

Ionospheric battery Patent
[NASA-CASE-XGS-01593] c 03 N70-35408

IONOSPHERIC DISTURBANCES

Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N82-26890

IONOSPHERIC ELECTRON DENSITY

Method and apparatus for calibrating the ionosphere and application to surveillance of geophysical events
[NASA-CASE-NPO-15430-1] c 46 N82-26890

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Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477

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Thermocouples of molybdenum and iridium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346

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[NASA-CASE-LAR-10513-1] c 07 N72-25170

Thin film microwave ins
[NASA-CASE-LAR-10511-1] c 09 N72-29172

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Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182

Process for making a high toughness-high strength iron alloy
[NASA-CASE-LEW-12542-2] c 26 N79-22271

High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484

Overlay metallic-cermet alloy coating systems — for gas turbine engines
[NASA-CASE-LEW-13639-1] c 27 N82-33522

IRON CHLORIDES

Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672

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Coal desulfurization — using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246

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Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent
[NASA-CASE-XLA-01584] c 14 N71-23269

Apparatus for obtaining isotropic irradiation of a specimen
[NASA-CASE-MFS-20095] c 24 N72-11595

Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502

Method for analyzing radiation sensitivity of integrated circuits
[NASA-CASE-NPO-14350-1] c 33 N80-14332

Vitra-violet process for producing flame resistant polyamides and products produced thereby — protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446

IRRIGATION

Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701

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Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781

Positive isolation disconnect
[NASA-CASE-MSC-16043-1] c 37 N79-11402

Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N81-24426

ISOPROPYL ALCOHOL

Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102

ISOTHERMAL LAYERS

Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353

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Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366

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Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

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Inlet deflector for jet engines Patent
[NASA-CASE-XLE-00388] c 28 N70-34788

Multiple pure tone elimination strut assembly — air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800

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Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332

Noise suppressor — for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418

Abating exhaust noises in jet engines
[NASA-CASE-ARC-10712-1] c 07 N74-33218

Instrumentation for measurement of aircraft noise and sonic boom
[NASA-CASE-LAR-11173-1] c 35 N75-19614

Cascade plug nozzle — for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117

JET AMPLIFIERS

Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466

Fluid jet amplifier Patent
[NASA-CASE-XLE-09341] c 12 N71-28741

JET BLAST EFFECTS

Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874

JET CONTROL

Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

JET ENGINES

Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563

Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429

Nacelle afterbody for jet engines Patent
[NASA-CASE-XLA-10450] c 28 N71-21493

Welding blades to rotors
[NASA-CASE-XLE-10533-1] c 15 N73-28515

Variably positioned guide vanes for aerodynamic choking
[NASA-CASE-LAR-10642-1] c 07 N74-31270

Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117

The engine air intake system
[NASA-CASE-ARC-10761-1] c 07 N77-18154

Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544

Electrical servo actuator bracket --- fuel control valves on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483

Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-15791-1] c 37 N82-33712

JET EXHAUST

Jet exhaust noise suppressor
[NASA-CASE-XLE-11286-1] c 07 N74-27490

Gas turbine engine with recirculating bleed
[NASA-CASE-XLE-12452-1] c 07 N78-25089

Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

JET FLAPS

Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332

JET FLOW

Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292

JET MIXING FLOW

Rocket engine injector Patent
[NASA-CASE-XLE-00111] c 28 N70-38199

JET NOZZLES

Fluid jet amplifier
[NASA-CASE-XLE-03512] c 12 N69-21466

Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629

Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093

JET PROPULSION

Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121

JET THRUST

Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582

Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583

Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-XLE-12971-1] c 07 N80-18039

JETTISON SYSTEMS

Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675

Method and system for ejecting fairing sections from a rocket vehicle
[NASA-CASE-GSC-10590-1] c 31 N73-14853

Explosively activated egress area
[NASA-CASE-LAR-12624-1] c 03 N81-29107

JIGS

Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447

JOINING

Integrated gas turbine engine-nacelle
[NASA-CASE-XLE-12389-3] c 07 N79-14096

JOINTS (ANATOMY)

Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194

Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195

Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623

Orthotic arm joint --- for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616

Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749

Spacesuit mobility knee joints
[NASA-CASE-ARC-11058-2] c 54 N79-24651

JOINTS (JUNCTIONS)

Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542

Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947

Portable alignment tool Patent
[NASA-CASE-XMF-01452] c 15 N70-41371

Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344

Technique of elbow bending small jacketed transfer lines
[NASA-CASE-XNP-10475] c 15 N71-24679

Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148

Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467

Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937

Universal restrainer and joint Patent
[NASA-CASE-LAR-02278] c 15 N71-28951

Diffusion welding in air --- solid state welding of butt joint by fusion welding, surface cleaning, and heating
[NASA-CASE-XLE-11387-1] c 37 N74-18128

Bonded joint and method --- for reducing peak shear stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064

Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546

Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326

Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685

Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372

Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460

Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676

Spacesuit mobility joints
[NASA-CASE-ARC-11058-1] c 54 N78-31735

Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15363

Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673

Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676

Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987

Self-locking mechanical center joint --- for space construction
[NASA-CASE-LAR-12864-1] c 37 N82-29606

Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732

Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154

Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157

Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944

JOSEPHSON JUNCTIONS

Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332

Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348

JOULE-THOMSON EFFECT

Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190

A cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N81-19344

JOURNAL BEARINGS

Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620

Air bearing assembly for curved surfaces
[NASA-CASE-MFS-20423] c 15 N72-11388

Journal bearings --- for lubricant films
[NASA-CASE-XLE-11076-1] c 37 N74-21061

Journal Bearings
[NASA-CASE-XLE-11076-2] c 37 N74-32921

Lubricated journal bearing
[NASA-CASE-XLE-11076-3] c 37 N75-30562

Fluid journal bearings
[NASA-CASE-XLE-11076-4] c 37 N76-15461

JUNCTION DIODES

Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235

Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-2] c 33 N75-25041

Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314

Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N83-20757

JUNCTION TRANSISTORS

Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318

Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446

Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372

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KEYING

High-speed multiplexing of keyboard data inputs
[NASA-CASE-NPO-14554-1] c 60 N81-27814

KIDNEY DISEASES

Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N82-26961

KIDNEYS

Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N82-26961

KINETIC ENERGY

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861

Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335

KINETIC FRICTION

Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995

KINETICS

Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477

KRAFT PROCESS (WOODPULP)

Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747

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LABORATORY EQUIPMENT

Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177

Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080

Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372

Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284

Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025

Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458

Automatic real-time pair-feeding system for animals
[NASA-CASE-ARC-10302-1] c 51 N74-15778

Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677

Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493

The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874

Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104

Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169

Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126

LACQUERS

Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209

LADDERS

Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-XLE-13736-1] c 33 N83-17802

LAMINAR FLOW

Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631

Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224

LAMINATES

- Multilayer porous ionizer Patent
 [NASA-CASE-XNP-04338] c 17 N71-23046
 Polyimide resin-fiberglass cloth laminates for printed circuit boards
 [NASA-CASE-MFS-20408] c 18 N73-12604
 Reinforced polyquinoxaline gasket and method of preparing the same --- resistant to ionizing radiation and liquid hydrogen temperatures
 [NASA-CASE-MFS-21364-1] c 37 N74-18126
 Method of laminating structural members
 [NASA-CASE-XLA-11028-1] c 24 N74-27035
 Bonding method in the manufacture of continuous regression rate sensor devices
 [NASA-CASE-LAR-10337-1] c 24 N75-30260
 Transparent fire resistant polymers structures
 [NASA-CASE-ARC-10813-1] c 27 N76-16230
 Leading edge protection for composite blades
 [NASA-CASE-LEW-12550-1] c 24 N77-19170
 Hybrid composite laminate structures
 [NASA-CASE-LEW-12118-1] c 24 N77-27188
 Honeycomb-laminate composite structure
 [NASA-CASE-ARC-10913-1] c 24 N78-15180
 Composite lamination method
 [NASA-CASE-LAR-12019-1] c 24 N78-17150
 Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
 [NASA-CASE-MSC-12662-1] c 33 N79-12331
 Method for making patterns for resin matrix composites
 [NASA-CASE-ARC-11246-1] c 24 N80-22410
 Process for preparing high temperature polyimide film laminates
 [NASA-CASE-LAR-12742-1] c 24 N81-12174
 Method for alleviating thermal stress damage in laminates --- metal matrix composites
 [NASA-CASE-LEW-12493-1] c 24 N81-17170
 Method for alleviating thermal stress damage in laminates
 [NASA-CASE-LEW-12493-2] c 24 N81-26179
 Method of making a partial interlaminar separation composite system
 [NASA-CASE-LAR-12065-2] c 24 N81-33235
 Fuselage structure using advanced technology fiber reinforced composites
 [NASA-CASE-LAR-11688-1] c 24 N82-26384
 Piezoelectric composite materials
 [NASA-CASE-LEW-12582-1] c 24 N82-31450
- LANDFORMS**
 Method for observing the features characterizing the surface of a land mass
 [NASA-CASE-FRC-11013-1] c 43 N81-17499
- LANDING AIDS**
 Altitude sensing device
 [NASA-CASE-XMS-01994-1] c 14 N72-17326
 Magnetic position detection method and apparatus
 [NASA-CASE-ARC-10179-1] c 21 N72-22619
 Full color hybrid display for aircraft simulators --- landing aids
 [NASA-CASE-ARC-10903-1] c 09 N78-18083
- LANDING GEAR**
 Pivotal shock absorbing pad assembly Patent
 [NASA-CASE-XMF-03856] c 31 N70-34159
 Nose gear steering system for vehicle with main skids Patent
 [NASA-CASE-XLA-01804] c 02 N70-34160
 Landing pad assembly for aerospace vehicles Patent
 [NASA-CASE-XMF-02853] c 31 N70-36654
 Aircraft wheel spray drag alleviator Patent
 [NASA-CASE-XLA-01583] c 02 N70-36825
 Space craft soft landing system Patent
 [NASA-CASE-XMF-02108] c 31 N70-36845
 Double-acting shock absorber Patent
 [NASA-CASE-XMF-01045] c 15 N70-40354
 Landing gear Patent
 [NASA-CASE-XMF-01174] c 02 N70-41589
 Tire/wheel concept
 [NASA-CASE-LAR-11695-2] c 37 N81-24443
- LANDING MODULES**
 Double-acting shock absorber Patent
 [NASA-CASE-XMF-01045] c 15 N70-40354
- LANDING SIMULATION**
 Impact simulator Patent
 [NASA-CASE-XLA-00493] c 11 N70-34786
- LARGE SCALE INTEGRATION**
 A general logic structure for custom LSI circuits
 [NASA-CASE-NPO-14410-1] c 33 N79-25314
 Tactile sensing system --- manipulator controllers
 [NASA-CASE-NPO-15094-1] c 33 N81-16386
 General logic structure for custom LSI circuits
 [NASA-CASE-NPO-14410-2] c 33 N82-25440
 Combinational logic for generating gate drive signals for phase control rectifiers
 [NASA-CASE-MFS-25208-1] c 33 N83-10345

LARGE SPACE STRUCTURES

- Structural members, method and apparatus
 [NASA-CASE-MSC-16217-1] c 31 N81-27323
 Electrical rotary joint apparatus for large space structures
 [NASA-CASE-MFS-23981-1] c 07 N83-20944
- LARGE SPACE TELESCOPE**
 System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
 [NASA-CASE-MFS-23513-1] c 74 N79-11865
- LASER ALTIMETERS**
 Sidelooking laser altimeter for a flight simulator
 [NASA-CASE-ARC-11312-1] c 36 N81-19439
- LASER APPLICATIONS**
 High power laser apparatus and system
 [NASA-CASE-XLE-2529-2] c 36 N75-27364
 Fiber distributed feedback laser
 [NASA-CASE-NPO-13531-1] c 36 N76-24553
 Wind measurement system
 [NASA-CASE-MFS-23362-1] c 47 N77-10753
 Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
 [NASA-CASE-ARC-10970-1] c 36 N77-25501
 Compact pulsed laser having improved heat conductance
 [NASA-CASE-NPO-13147-1] c 36 N77-25502
 Laser extensometer
 [NASA-CASE-MFS-19259-1] c 36 N78-14380
 Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
 [NASA-CASE-LEW-12465-1] c 25 N78-25148
 Volumetric direct nuclear pumped laser
 [NASA-CASE-LAR-12183-1] c 36 N79-18307
 Dual laser optical system and method for studying fluid flow
 [NASA-CASE-MFS-25315-1] c 36 N81-19440
 Method and apparatus for coating substrates using lasers
 [NASA-CASE-LEW-13526-1] c 26 N82-22347
 Arrangement for damping the resonance in a laser diode
 [NASA-CASE-NPO-15980-1] c 36 N82-28618
 Method of an apparatus for measuring temperature and pressure --- remote sensing of the atmosphere
 [NASA-CASE-GSC-12558-1] c 35 N82-29580
 Ranging system --- industrial robotics
 [NASA-CASE-NPO-15865-1] c 74 N83-12991
 Rhomboid prism pair for rotating the plane of parallel light beams
 [NASA-CASE-ARC-11311-1] c 74 N83-13978
- LASER CAVITIES**
 Laser apparatus
 [NASA-CASE-GSC-12237-1] c 36 N80-14384
 Laser resonator
 [NASA-CASE-GSC-12565-1] c 36 N82-24485
- LASER DOPPLER VELOCIMETERS**
 Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
 [NASA-CASE-ARC-10637-1] c 35 N75-16783
 Combined dual scatter, local oscillator laser Doppler velocimeter
 [NASA-CASE-ARC-10642-1] c 36 N76-14447
 Focused laser Doppler velocimeter
 [NASA-CASE-MFS-23178-1] c 35 N77-10493
 Pseudo-backscatter laser Doppler velocimeter employing antiparallel-reflector in the forward direction
 [NASA-CASE-ARC-10970-1] c 36 N77-25501
 Optical scanner --- laser doppler velocimeters
 [NASA-CASE-LAR-11711-1] c 74 N78-17866
 Versatile LDV burst simulator
 [NASA-CASE-LAR-11859-1] c 35 N79-14349
 Laser Doppler velocity simulator --- to induce frequency shift
 [NASA-CASE-LAR-12176-1] c 36 N80-16321
 Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
 [NASA-CASE-LAR-12177-1] c 36 N81-24422
 Powder fed sheared dispersal particle generator
 [NASA-CASE-LAR-12785-1] c 34 N82-24448
 Scanning afocal laser velocimeter projection lens system
 [NASA-CASE-LAR-12328-1] c 36 N82-32712
- LASER DRILLING**
 In-situ laser retorting of oil shale
 [NASA-CASE-LEW-12217-1] c 43 N78-14452
- LASER FUSION**
 Laser surface fusion of plasma sprayed ceramic turbine seals
 [NASA-CASE-LEW-13269-1] c 18 N83-20996
- LASER GUIDANCE**
 Scanning afocal laser velocimeter projection lens system
 [NASA-CASE-LAR-12328-1] c 36 N82-32712

LASER GYROSCOPES

- Optical gyroscope system
 [NASA-CASE-NPO-14258-1] c 35 N81-33448
- LASER HEATING**
 Electric power generation system directory from laser power
 [NASA-CASE-NPO-13308-1] c 36 N75-30524
 Method and apparatus for shaping and enhancing acoustical levitation forces
 [NASA-CASE-MFS-25050-1] c 71 N81-15767
- LASER INTERFEROMETRY**
 Dual-beam skin friction interferometer
 [NASA-CASE-ARC-11354-1] c 74 N83-21949
- LASER MATERIALS**
 Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
 [NASA-CASE-LAR-11341-1] c 36 N75-19655
- LASER MODE LOCKING**
 Laser system with an antiresonant optical ring
 [NASA-CASE-HQN-10844-1] c 36 N75-19653
 Dually mode locked Nd YAG laser
 [NASA-CASE-GSC-11746-1] c 36 N75-19654
 Length controlled stabilized mode-lock Nd YAG laser
 [NASA-CASE-GSC-11741-1] c 36 N77-25499
- LASER MODES**
 Optical pump and driver system for lasers
 [NASA-CASE-ERC-10283] c 16 N72-25485
 Acoustically controlled distributed feedback laser
 [NASA-CASE-NPO-13175-1] c 36 N75-31427
- LASER OUTPUTS**
 Method and apparatus for wavelength tuning of liquid lasers
 [NASA-CASE-ERC-10187] c 16 N69-31343
 Laser Doppler system for measuring three dimensional vector velocity Patent
 [NASA-CASE-MFS-20386] c 21 N71-19212
 Amplitude modulated laser transmitter Patent
 [NASA-CASE-XMS-04269] c 16 N71-22895
 Laser fluid velocity detector Patent
 [NASA-CASE-XAC-10770-1] c 16 N71-24828
 Laser calibrator Patent
 [NASA-CASE-XLA-03410] c 16 N71-25914
 Method and apparatus for optical modulating a light signal Patent
 [NASA-CASE-GSC-10216-1] c 23 N71-26722
 Laser machining apparatus Patent
 [NASA-CASE-HQN-10541-2] c 15 N71-27135
 Optical frequency waveguide and transmission system Patent
 [NASA-CASE-HQN-10541-4] c 16 N71-27183
 Laser communication system for controlling several functions at a location remote to the laser
 [NASA-CASE-LAR-10311-1] c 16 N73-16536
 Power supply for carbon dioxide lasers
 [NASA-CASE-GSC-11222-1] c 16 N73-32391
 Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
 [NASA-CASE-NPO-11317-2] c 36 N74-13205
 Apparatus for scanning the surface of a cylindrical body
 [NASA-CASE-NPO-11861-1] c 36 N74-20009
 Optically detonated explosive device
 [NASA-CASE-NPO-11743-1] c 28 N74-27425
 Clear air turbulence detector
 [NASA-CASE-MFS-21244-1] c 36 N75-15028
 Dually mode locked Nd YAG laser
 [NASA-CASE-GSC-11746-1] c 36 N75-19654
 Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
 [NASA-CASE-LAR-11341-1] c 36 N75-19655
 Acoustically controlled distributed feedback laser
 [NASA-CASE-NPO-13175-1] c 36 N75-31427
 Optical noise suppression device and method --- laser light exposing film
 [NASA-CASE-MSC-12640-1] c 74 N76-31898
 Length controlled stabilized mode-lock Nd YAG laser
 [NASA-CASE-GSC-11571-1] c 36 N77-25499
 Apparatus for photon excited catalysis
 [NASA-CASE-NPO-13566-1] c 25 N77-32255
 Method and apparatus for Doppler frequency modulation of radiation
 [NASA-CASE-NPO-14524-1] c 32 N80-24510
 Method of and apparatus for double-exposure holographic interferometry
 [NASA-CASE-MFS-25405-1] c 35 N81-27459
 Spatial energy distribution --- scanning a tunable diode laser beam automatically
 [NASA-CASE-LAR-12631-1] c 35 N82-18557
 High power metallic halide laser --- amplifying a copper chloride laser
 [NASA-CASE-NPO-14782-1] c 36 N82-28616
 Collimated beam manifold with the number of output beams variable at a given output angle
 [NASA-CASE-MFS-25312-1] c 74 N83-17305

LASER PLASMAS

Continuous plasma laser — method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416

LASER PUMPING

Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384
Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415
A solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N82-25497

LASER RANGE FINDERS

Laser measuring system for incremental assemblies — measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396
Optical distance measuring instrument
[NASA-CASE-12761-1] c 74 N83-13982

LASER RANGER/TRACKER

Method and apparatus for aligning a laser beam projector
Patent
[NASA-CASE-NPO-11087] c 23 N71-29125

LASER SPECTROSCOPY

Stark effect spectrophone for continuous absorption spectra monitoring — a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

LASER WINDOWS

Optical scanner — laser doppler velocimeters
[NASA-CASE-LAR-11711-1] c 74 N78-17866

LASERS

Laser apparatus for removing material from rotating objects Patent
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Polarization compensator for optical communications
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Method and apparatus for Doppler frequency modulation
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[NASA-CASE-XLA-00141] c 09 N70-33312

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[NASA-CASE-XLE-00027] c 33 N71-29152
Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098
Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071
Heat exchanger system and method
[NASA-CASE-LAR-10799-2] c 34 N76-17317
Liquid cooled brasserie and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736

Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237

LIQUID CRYSTALS
Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410
Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680

LIQUID FILLED SHELLS
Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835
Omnidirectional acceleration device Patent
[NASA-CASE-HQN-10780] c 14 N71-30265

LIQUID FLOW
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409
Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
Ablative system
[NASA-CASE-LEW-10359-2] c 33 N73-25952
Zero gravity liquid transfer screen
[NASA-CASE-KSC-10626] c 14 N73-27378
System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517
Directional flow sensor
[NASA-CASE-FRC-11074-1] c 35 N82-11436
Deaerator/mixer for liquids
[NASA-CASE-MSC-18936-1] c 25 N82-22329

LIQUID HELIUM
Heat operated cryogenic electrical generator
[NASA-CASE-NPO-13303-1] c 20 N75-24837
Helium refrigerator
[NASA-CASE-NPO-13435-1] c 31 N76-14284
Cryostat system for temperatures on the order of 2 deg K or less
[NASA-CASE-NPO-13459-1] c 31 N77-10229
Multistation refrigeration system
[NASA-CASE-NPO-13839-1] c 31 N78-25256
Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826
Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287

LIQUID HYDROGEN
Cryogenic thermal insulation Patent
[NASA-CASE-XMF-05046] c 33 N71-28892
Reinforced polyquinoxaline gasket and method of preparing the same --- resistant to ionizing radiation and liquid hydrogen temperatures
[NASA-CASE-MFS-21384-1] c 37 N74-18126

LIQUID INJECTION
Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
Injector assembly for liquid fueled rocket engines Patent
[NASA-CASE-XMF-00968] c 28 N71-15660
Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494
Method of producing silicon --- gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231

LIQUID LASERS
Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343

LIQUID LEVELS
Inductive liquid level detection system Patent
[NASA-CASE-XLE-01609] c 14 N71-10500
Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907

LIQUID METALS
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803

LIQUID ROCKET PROPELLANTS

Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527
Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862
Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
Electromagnetic flow rate meter --- for liquid metals
[NASA-CASE-LEW-10981-1] c 35 N74-21018
Process for preparing liquid metal electrical contact device
[NASA-CASE-LEW-11978-1] c 33 N77-26385
Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N81-32609

LIQUID NITROGEN
Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484

LIQUID OXYGEN
Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170

LIQUID PHASES
Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199
Cryogenic liquid sensor
[NASA-CASE-NPO-10619-1] c 35 N77-21393

LIQUID PROPELLANT ROCKET ENGINES
Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Attitude and propellant flow control system and method Patent
[NASA-CASE-XMF-00185] c 21 N70-34539
Injector for bipropellant rocket engines Patent
[NASA-CASE-XMF-00148] c 28 N70-38710
Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329
Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124
Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125
Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

LIQUID ROCKET PROPELLANTS
Rocket propellant injector Patent
[NASA-CASE-XLE-00103] c 28 N70-33241
Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
Rocket motor system Patent
[NASA-CASE-XLE-00323] c 28 N70-38505
High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925
High pressure filter Patent
[NASA-CASE-XNP-00732] c 28 N70-41447
Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
Control valve and co-axial variable injector Patent
[NASA-CASE-XNP-09702] c 15 N71-17654
Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188

LIQUID SLOSHING

- Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
Flexible ring slosh damping baffle Patent
[NASA-CASE-LAR-10317-1] c 32 N71-16103
Buoyant anti-slosh system Patent
[NASA-CASE-XLA-04805] c 32 N71-16106
Hot wire liquid level detector for cryogenic fluids Patent
[NASA-CASE-XLE-00454] c 23 N71-17802
Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387

LIQUID SODIUM

- Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494

LIQUID-GAS MIXTURES

- Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269

LIQUID-VAPOR INTERFACES

- Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
Response analyzers for sensors Patent
[NASA-CASE-MFS-11204] c 14 N71-29134

LIQUIDS

- Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
Apparatus for detecting the amount of material in a resonant cavity container Patent
[NASA-CASE-XNP-02500] c 18 N71-27397
Resonant infrasonic gauging apparatus
[NASA-CASE-MSC-11847-1] c 14 N72-11363
Ablative system
[NASA-CASE-LEW-10359] c 33 N72-25911
Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102
Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
Bimetallic fluid displacement apparatus --- for stirring and heating stored gases and liquids
[NASA-CASE-ARC-10441-1] c 35 N74-15126
Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879
Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611
Thermal energy storage system --- operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
Automatic fluid dispenser
[NASA-CASE-ARC-10820-1] c 35 N78-19466
System for monitoring physical characteristics of fluids --- acoustic techniques
[NASA-CASE-NPO-15400-1] c 34 N81-24384
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572

LITHIUM COMPOUNDS

- Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029

LOAD DISTRIBUTION (FORCES)

- Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225
Device for use in loading tension members --- characterized by elongated elastic body
[NASA-CASE-MFS-21488-1] c 14 N75-24794
Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465

LOAD TESTING MACHINES

- Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974

- Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
Fatigue failure load indicator
[NASA-CASE-LAR-12027-1] c 39 N79-22537

LOAD TESTS

- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15596-1] c 36 N82-28619

LOADING OPERATIONS

- Air bearing Patent
[NASA-CASE-XMF-01887] c 15 N71-10617

LOADS (FORCES)

- Device for handling heavy loads
[NASA-CASE-XAC-04969] c 11 N69-27466
Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813
Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
Load relieving device Patent
[NASA-CASE-XMS-06329-1] c 15 N71-20441
Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191
Transverse piezoresistance and pinch effect electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490
Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432
Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959
Air bearing
[NASA-CASE-WLP-10002] c 15 N72-17451
Device for measuring bearing preload
[NASA-CASE-MFS-20434] c 11 N72-25288
Variable direction force coupler
[NASA-CASE-MFS-20317] c 15 N73-13463
Ergometer
[NASA-CASE-MFS-21109-1] c 05 N73-27941
Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
G-load measuring and indicator apparatus --- for aircraft
[NASA-CASE-ARC-10806] c 06 N74-27872
Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417
Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499

LOCATES SYSTEM

- Lighting tracking system
[NASA-CASE-KSC-10729-1] c 09 N73-32110
Position determination systems --- using orbital antenna scan of celestial bodies
[NASA-CASE-MSC-12593-1] c 17 N76-21250

LOCKING

- Coupling device
[NASA-CASE-XMS-07846-1] c 09 N69-21927
Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676

LOCKS (FASTENERS)

- Locking device with rolling detents Patent
[NASA-CASE-XMF-01371] c 15 N70-41829
Bearing and gimbal lock mechanism and spiral flex lead module Patent
[NASA-CASE-GSC-10556-1] c 31 N71-26537
Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
Portable appliance security apparatus
[NASA-CASE-GSC-12399-1] c 33 N81-25299
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661
High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494
Self-locking mechanical center joint --- for space construction
[NASA-CASE-LAR-12864-1] c 37 N82-29606
Aircraft canopy lock
[NASA-CASE-FRC-11065-1] c 05 N83-19737

LOCOMOTION

- Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380
Training vehicle for controlling attitude Patent
[NASA-CASE-XMS-02977] c 11 N71-10746
Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
Kinesimetric method and apparatus
[NASA-CASE-MSC-18929-1] c 39 N83-20280

LOGARITHMIC RECEIVERS

- Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339

LOGARITHMS

- Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173

LOGIC CIRCUITS

- A method for selective gold diffusion of monolithic silicon devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
Relay binary circuit Patent
[NASA-CASE-XMF-00421] c 09 N70-34502
Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423
Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125
Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
AC logic flip-flop circuits Patent
[NASA-CASE-XGS-00823] c 10 N71-15910
Logic AND gate for fluid circuits Patent
[NASA-CASE-XLA-07391] c 12 N71-17579
Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751
Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650
BCD to decimal decoder Patent
[NASA-CASE-XKS-06167] c 08 N71-24890
Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
Logical function generator
[NASA-CASE-XLA-05099] c 09 N73-13209
A synchronous binary array divider
[NASA-CASE-ERC-10180-1] c 60 N74-20836
Four phase logic systems --- including integrated microcircuits
[NASA-CASE-MSC-14240-1] c 33 N75-14957
A general logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-1] c 33 N79-25314
Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
Adaptive control system for line-commutated inverters
[NASA-CASE-MFS-25209-1] c 33 N81-31480
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N81-31481
Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770
General logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-2] c 33 N82-25440
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345

LOGIC DESIGN

- General logic structure for custom LSI circuits
[NASA-CASE-NPO-14410-2] c 33 N82-25440

LONGITUDINAL CONTROL

- Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152

LONGITUDINAL STABILITY

- Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277

LOOK ANGLES (TRACKING)

- Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324

LOOP ANTENNAS

- Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
- Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113

LOOPS

- Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
- High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300
- Means for accommodating large overstrain in lead wires --- by storing extra length of wire in stretchable loop
[NASA-CASE-LAR-10168-1] c 33 N74-22865
- Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336
- Pseudonoise code tracking loop
[NASA-CASE-MS-C-18035-1] c 32 N81-15179
- Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626

LOUVERS

- Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N82-28785

LOW ASPECT RATIO

- Landing arrangement for aereal vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286
- Landing arrangement for aereal vehicle Patent
[NASA-CASE-XLA-00806] c 02 N70-34858

LOW COST

- Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
- Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609

LOW CURRENTS

- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338

LOW DENSITY MATERIALS

- Method and device for detecting voids in low density material Patent
[NASA-CASE-MFS-20044] c 14 N71-28993
- Intumescent composition, foamed product prepared therewith and process for making same
[NASA-CASE-ARC-10304-2] c 27 N74-27037
- Mixing insert for foam dispensing apparatus
[NASA-CASE-MFS-20607-1] c 37 N76-19436
- Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
- Low density bismaleimide-carbon microballoon composites
[NASA-CASE-ARC-11040-1] c 24 N79-16915
- Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116

LOW FREQUENCIES

- Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794
- Low-frequency radio navigation system
[NASA-CASE-NPO-15264-1] c 04 N81-22036

LOW GRAVITY MANUFACTURING

- Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MS-C-12611-1] c 12 N76-15189
- Gas levitator and method for containerless processing
[NASA-CASE-MFS-25509-1] c 34 N82-10359

LOW MOLECULAR WEIGHTS

- Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807

LOW NOISE

- Low phase noise digital frequency divider
[NASA-CASE-NPO-11569] c 10 N73-26229
- Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N82-11359

LOW PASS FILTERS

- Filtering technique based on high-frequency plant modeling for high-gain control
[NASA-CASE-LAR-12215-1] c 08 N79-23097
- Smoothing filter for digital to analog conversion
[NASA-CASE-FRC-11025-1] c 33 N82-24417
- Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539

LOW PRESSURE

- Gas low pressure low flow rate measuring system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546
- Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450

LOW SPEED

- Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674
- RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863

LOW TEMPERATURE

- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

LOW TEMPERATURE ENVIRONMENTS

- Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986

LOW TEMPERATURE TESTS

- Low temperature flexure fatigue cryostat Patent
[NASA-CASE-XMF-02964] c 14 N71-17659
- Horizontal cryostat for fatigue testing Patent
[NASA-CASE-XMF-10968] c 14 N71-24234
- Heating and cooling system --- for fatigue test specimens
[NASA-CASE-LAR-12393-1] c 39 N80-25693

LOW THRUST

- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

LOW VACUUM

- Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673

LOW VOLTAGE

- High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
- Flexible blade antenna Patent
[NASA-CASE-MS-C-12101] c 09 N71-18720
- Failure sensing and protection circuit for converter networks Patent
[NASA-CASE-GSC-10114-1] c 10 N71-27366

LOWER BODY NEGATIVE PRESSURE

- Lower body negative pressure apparatus
[NASA-CASE-MS-C-20202-1] c 54 N83-18254

LUBRICANTS

- Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
- Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
- Fluorinated esters of polycarboxylic acids
[NASA-CASE-MFS-21040-1] c 06 N73-30098
- Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- Journal bearings --- for lubricant films
[NASA-CASE-LEW-11076-1] c 37 N74-21061
- Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 37 N80-29705

LUBRICATING OILS

- Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570

LUBRICATION

- Production of hollow components for rolling element bearings by diffusion welding
[NASA-CASE-LEW-11026-1] c 15 N73-33383
- Variable resistance constant tension and lubrication device --- using oil-saturated leather wiper
[NASA-CASE-KSC-10723-1] c 37 N75-13265
- Fluid journal bearings
[NASA-CASE-LEW-11076-4] c 37 N76-15461

LUBRICATION SYSTEMS

- Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997
- Fluid lubricant system Patent
[NASA-CASE-XNP-03972] c 15 N71-23048
- Journal Bearings
[NASA-CASE-LEW-11076-2] c 37 N74-32921
- Oil cooling system for a gas turbine engine
[NASA-CASE-LEW-12321-1] c 37 N78-10467

LUMINAIRES

- Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
- Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
- Lamp modulator
[NASA-CASE-KSC-10565] c 09 N72-25250
- Driving lamps by induction
[NASA-CASE-MFS-21214-1] c 09 N73-30181
- Uniform variable light source
[NASA-CASE-NPO-11429-1] c 74 N77-21941
- Direct current ballast circuit for metal halide lamp
[NASA-CASE-MS-C-18407-1] c 33 N82-24427

LUMINOUSITY

- Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976

LUMINOUS INTENSITY

- Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
- Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797
- Continuous plasma laser --- method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416
- Solar cell assembly --- for use under high intensity illumination
[NASA-CASE-LEW-11549-1] c 44 N77-19571
- Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315
- System for the measurement of ultra-low stray light levels --- determining the adequacy of large space telescope systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865

LUNAR BASES

- Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046

LUNAR COMMUNICATION

- Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171

LUNAR COMPOSITION

- Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765

LUNAR EXPLORATION

- Backpack carrier Patent
[NASA-CASE-LAR-10056] c 05 N71-12351
- Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
- Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585
- Emergency lunar communications system
[NASA-CASE-MFS-21042] c 07 N72-25171

LUNAR GRAVITATION

- Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474

LUNAR GRAVITY SIMULATOR

- Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786

LUNAR LANDING

- Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966

LUNAR LOGISTICS

- Personal propulsion unit Patent
[NASA-CASE-MFS-20130] c 28 N71-27585

LUNAR ROCKS

- Sample collecting impact bit Patent
[NASA-CASE-XNP-01412] c 15 N70-42034

LUNAR SOIL

- Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
- Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
- Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
- Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MS-C-12408-1] c 46 N74-13011

LUNAR SURFACE VEHICLES

- Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611
- Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091

LUNGS

- Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329

M**MACH NUMBER**

- Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

MACHINE TOOLS

- Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
- Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
- Aligning and positioning device Patent
[NASA-CASE-XMS-04178] c 15 N71-22798
- Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
- Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145
- Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673

- Caterpillar micro positioner
[NASA-CASE-GSC-10780-1] c 14 N72-16283
Geneva mechanism --- including star wheel and driver
[NASA-CASE-NPO-13281-1] c 37 N75-13266
Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480
Precision alignment apparatus for cutting a workpiece
[NASA-CASE-LAR-11658-1] c 37 N77-14478
Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319
Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N81-16470
Precision reciprocating filament chopper
[NASA-CASE-LAR-12564-2] c 37 N82-18604
Crystal cleaving machine
[NASA-CASE-GSC-12584-1] c 37 N82-32730

MACHINERY

- Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917

MACHINING

- Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
Lathe tool bit and holder for machining fiberglass materials
[NASA-CASE-XLA-10470] c 15 N72-21489
Drilled ball bearing with a one piece anti-tipping cage assembly
[NASA-CASE-LEW-11925-1] c 37 N75-31446

MAGNESIUM

- Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446

MAGNESIUM ALLOYS

- Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404
Nondestructive spot test method for magnesium and magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446

MAGNESIUM OXIDES

- Method for determining presence of OH in magnesium oxide
[NASA-CASE-NPO-10774] c 06 N72-17095

MAGNET COILS

- Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MS-11277] c 09 N71-29008

MAGNETIC AMPLIFIERS

- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338

MAGNETIC CHARGE DENSITY

- Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043

MAGNETIC CIRCUITS

- Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043

MAGNETIC COILS

- Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
Linear magnetic brake with two windings Patent
[NASA-CASE-XLE-05079] c 15 N71-17652
Safe-arm initiator Patent
[NASA-CASE-LAR-10372] c 09 N71-18599
Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332

MAGNETIC CONTROL

- Fast opening diaphragm Patent
[NASA-CASE-XLA-03660] c 15 N71-21060
Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
Magnetic bearing system
[NASA-CASE-GSC-11978-1] c 37 N77-17464
Low temperature latching solenoid
[NASA-CASE-MS-18106-1] c 33 N82-11357

MAGNETIC CORES

- Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00458] c 09 N70-38604
Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995

- Magnetic counter Patent
[NASA-CASE-XNP-08836] c 09 N71-12515
Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694
Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803
Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135
Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925
Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199
Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928

MAGNETIC DIPOLES

- Balance torque meter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725

MAGNETIC DISKS

- Disk pack cleaning table Patent Application
[NASA-CASE-LAR-10590-1] c 15 N70-26819

MAGNETIC FIELD CONFIGURATIONS

- Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406
Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
Linear magnetic bearings --- active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469
Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903

MAGNETIC FIELDS

- Electric-arc heater Patent
[NASA-CASE-XLA-00330] c 33 N70-34540
Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646
Electrostatic ion engine having a permanent magnetic circuit Patent
[NASA-CASE-XLE-01124] c 28 N71-14043
Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
Nonmagnetic, explosive actuated indexing device Patent
[NASA-CASE-XGS-02422] c 15 N71-21529
Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187
Balance torque meter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619
Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771
Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
Compact, high intensity arc lamp with internal magnetic field producing means
[NASA-CASE-NPO-11510-1] c 33 N77-21315

- Magnetic heat pumping
[NASA-CASE-LEW-12508-1] c 34 N78-17335
Atomic hydrogen storage --- cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402
Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103
Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569
Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332

MAGNETIC FILMS

- Manganese bismuth films with narrow transfer characteristics for Cune-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678

MAGNETIC FLUX

- Excitation and detection circuitry for a flux responsive magnetic head
[NASA-CASE-XNP-04183] c 09 N69-24329
Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997
Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516
Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
Magnetic bearing --- for supplying magnetic fluxes
[NASA-CASE-GSC-11079-1] c 37 N75-18574
Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 33 N81-22279
Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421

MAGNETIC FORMING

- Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865

MAGNETIC INDUCTION

- Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364
Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
High speed shutter --- electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300

MAGNETIC LENSES

- Quadrupole mass filter with means to generate a noise spectrum exclusive of the resonant frequency of the desired ions to deflect stable ions
[NASA-CASE-XNP-04231] c 14 N73-32325

MAGNETIC MATERIALS

- Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124

MAGNETIC MEASUREMENT

- Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 04 N82-26260

MAGNETIC POLES

- Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929
Mass spectrometer with magnetic pole pieces providing the magnetic fields for both the magnetic sector and an ion-type vacuum pump
[NASA-CASE-NPO-13663-1] c 35 N77-14406

MAGNETIC PUMPING

- Continuous magnetic flux pump
[NASA-CASE-XNP-01187] c 15 N73-28516

- Magnetic-flux pump
[NASA-CASE-XNP-01188] c 15 N73-32361
- Magnetocaloric pump --- for cryogenic fluids
[NASA-CASE-LEW-11672-1] c 37 N74-27904
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N82-24449
- MAGNETIC RECORDING**
Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710
- Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
- Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246
- Manganese bismuth films with narrow transfer characteristics for Cune-point switching
[NASA-CASE-NPO-11336-1] c 76 N79-16678
- MAGNETIC SIGNALS**
Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467
- MAGNETIC STORAGE**
Binary magnetic memory device Patent
[NASA-CASE-XGS-00174] c 08 N70-34743
- Magnetic matrix memory system Patent
[NASA-CASE-XMF-05835] c 08 N71-12504
- Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
- Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
- Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644
- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-1] c 28 N78-24365
- MAGNETIC SUSPENSION**
Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424
- Magnetic suspension and pointing system --- on a carrier vehicle
[NASA-CASE-LAR-11889-1] c 35 N79-26372
- Containerless melting and rapid solidification apparatus and method
[NASA-CASE-MFS-25305-1] c 35 N81-16427
- Linear magnetic bearings --- active magnetic suspension of armatures
[NASA-CASE-GSC-12582-1] c 37 N81-16469
- Stirling cycle cryogenic cooler --- magnetically suspended pistons
[NASA-CASE-GSC-12697-1] c 31 N82-11312
- Magnetic bearing and motor
[NASA-CASE-GSC-12725-1] c 37 N82-29603
- Linear magnetic bearings
[NASA-CASE-GSC-12582-2] c 37 N83-13460
- MAGNETIC SWITCHING**
Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803
- Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
- MAGNETIC TAPE TRANSPORTS**
Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479
- MAGNETIC TAPES**
Endless tape cartridge Patent
[NASA-CASE-XGS-00769] c 14 N70-41647
- Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10609
- Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
- System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042
- Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
- Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c 32 N74-27612
- Automatic character skew and spacing checking network --- of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353
- MAGNETIC TRANSDUCERS**
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- MAGNETIZATION**
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
- MAGNETO-OPTICS**
Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
- MAGNETOHYDRODYNAMIC FLOW**
Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760
- MAGNETOHYDRODYNAMIC GENERATORS**
Magnetohydrodynamic induction machine
[NASA-CASE-XNP-07481] c 25 N69-21929
- Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
- Crossed-field MHD plasma generator/accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562
- Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N81-32609
- MHD electrical generator
[NASA-CASE-NPO-15399-1] c 75 N82-24079
- MAGNETOMETERS**
Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313
- Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423
- Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
- Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
- Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
- Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135
- Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
- Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
- Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
- Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114
- Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056
- Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
- A low energy electron magnetometer
[NASA-CASE-LAR-12706-1] c 35 N81-19428
- Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716
- MAGNETRONS**
Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841
- MAGNETS**
Magnetic electrical connectors for biomedical percutaneous implants
[NASA-CASE-KSC-11030-1] c 52 N77-25772
- Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
- Linear magnetic bearing
[NASA-CASE-GSC-12517-1] c 33 N81-22279
- A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633
- MAGNIFICATION**
Image magnification adapter for cameras Patent
[NASA-CASE-XMF-03844-1] c 14 N71-26474
- Magnifying scratch gage force transducer
[NASA-CASE-LAR-10496-1] c 14 N72-22437
- Magnifying image intensifier
[NASA-CASE-GSC-12010-1] c 74 N78-18905
- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
- MAGNITUDE**
Balance torquemeter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
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- Computer circuit card puller
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Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014

Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322

Reefing system
[NASA-CASE-LAR-10129-2] c 37 N74-20063

Sprag solenoid brake — development and operations of electrically controlled brake
[NASA-CASE-MFS-21846-1] c 37 N74-26976

Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379

Automatic insulating apparatus — includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502

Clock setter
[NASA-CASE-LAR-11458-1] c 35 N76-16392

Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

Reel safety brake
[NASA-CASE-GSC-11960-1] c 37 N77-14479

Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482

Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483

Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676

Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119

Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426

Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654

Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655

Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492

Fire extinguishing apparatus having a slidable mass for a penetrator nozzle — for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320

Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N81-24446

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661

Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N82-11470

Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716

Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673

Self-locking mechanical center joint — for space construction
[NASA-CASE-LAR-12864-1] c 37 N82-29606

Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732

Method and apparatus for gripping uniaxial fibrous composite materials — holding specimens for mechanical property testing
[NASA-CASE-LEW-13758-1] c 24 N83-12176

Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312

MECHANICAL DRIVES

Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658

Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260

Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692

Incremental motion drive system Patent
[NASA-CASE-XNP-08897] c 15 N71-17694

Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805

- Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815
- Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696
- Synchronous dc direct drive system Patent
[NASA-CASE-GSC-10065-1] c 10 N71-27136
- Energy absorption device Patent
[NASA-CASE-XNP-01848] c 15 N71-28959
- Boring bar drive mechanism Patent
[NASA-CASE-XLA-03661] c 15 N71-33518
- Rotary actuator
[NASA-CASE-NPO-10244] c 15 N72-26371
- Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855
- Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
- Two speed drive system --- mechanical device for changing speed on rotating vehicle wheel
[NASA-CASE-MFS-20645-1] c 37 N74-23070
- Concentric differential gearing arrangement
[NASA-CASE-ARC-10462-1] c 37 N74-27901
- Geneva mechanism --- including star wheel and driver
[NASA-CASE-NPO-13281-1] c 37 N75-13266
- Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
- Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
- Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479
- Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
- Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
- Wobble gear drive mechanism --- for aerospace environments
[NASA-CASE-WOO-00625] c 37 N78-17385
- Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550
- Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183
- Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
- Belt for transmitting power from a cogged driving member to a cogged driven member
[NASA-CASE-GSC-12289-1] c 37 N80-32717
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N81-24447
- Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
- Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944
- MECHANICAL ENGINEERING**
- Manual actuator --- for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127
- Shaft seal assembly for high speed and high pressure applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475
- MECHANICAL MEASUREMENT**
- Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
- Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201
- Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
- Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
- Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
- Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- MECHANICAL PROPERTIES**
- High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- Fixture for environmental exposure of structural materials under compression
[NASA-CASE-LAR-12602-1] c 35 N81-19429
- MECHANICS (PHYSICS)**
- Gravity stabilized flying vehicle Patent
[NASA-CASE-MSC-12111-1] c 02 N71-11039

MECHANIZATION

- Machine for use in monitoring fatigue life for a plurality of elastomeric specimens
[NASA-CASE-NPO-13731-1] c 39 N78-10493

MEDICAL ELECTRONICS

- Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
- Pocket ECG electrode
[NASA-CASE-ARC-11258-1] c 52 N80-33081
- Subcutaneous electrode structure
[NASA-CASE-ARC-11117-1] c 52 N81-14612

MEDICAL EQUIPMENT

- Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189
- Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202
- Laser machining apparatus Patent
[NASA-CASE-HQN-10541-2] c 15 N71-27135
- Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153
- Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078
- Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011
- Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
- Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
- Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757
- Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914
- Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525
- Corneal seal device
[NASA-CASE-LEW-12258-1] c 52 N77-28716
- Snap-in compressible biomedical electrode
[NASA-CASE-MSC-14623-1] c 52 N77-28717
- Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
- Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
- Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
- Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605
- Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711
- Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662
- System for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N81-26697
- Low X-ray absorption aneurysm clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768
- Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875
- Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862
- Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785
- MELTING**
- Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N82-26464
- MELTING POINTS**
- Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314
- MELTS (CRYSTAL GROWTH)**
- Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
- Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Apparatus and method for heating a material in a transparent ampoule --- crystal growth
[NASA-CASE-MFS-25436-1] c 76 N81-30012

- Electromigration process for the purification of molten silicon during crystal growth
[NASA-CASE-NPO-14831-1] c 76 N82-30105
- Total immersion crystal growth --- using a melt covered with an encapsulating fluid
[NASA-CASE-NPO-15800-1] c 76 N83-15149
- Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789
- MEMBRANE STRUCTURES**
- Liquid junction and method of fabricating the same Patent Application
[NASA-CASE-NPO-10682] c 15 N70-34699
- Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210
- Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747
- Meteoroid capture cell construction
[NASA-CASE-MSC-12423-1] c 91 N76-30131
- Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163
- In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
- Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
- Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N83-18485
- MEMBRANES**
- Apparatus for measuring swelling characteristics of membranes
[NASA-CASE-XGS-03865] c 14 N69-21363
- Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
- Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567
- Dual membrane hollow fiber fuel cell and method of operating same
[NASA-CASE-NPO-13732-1] c 44 N79-10513
- Microelectrophoretic apparatus and process
[NASA-CASE-ARC-11121-1] c 25 N79-14169
- Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
- Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
- Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
- Asymmetric polyimide separation membrane and method
[NASA-CASE-NPO-15431-1] c 25 N81-29178
- Air removal device --- life support systems
[NASA-CASE-XLA-8914-2] c 25 N82-21269
- Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
- Method for the preparation of thin-skinned asymmetric reverse osmosis membranes and products thereof
[NASA-CASE-ARC-11359-1] c 27 N82-28444
- Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- MEMORY**
- Method for making conductors for ferrite memory arrays --- from pre-formed metal conductors
[NASA-CASE-LAR-10994-1] c 24 N75-13032
- MERCURY (METAL)**
- Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
- Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
- Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N72-11709
- MERCURY CADMIUM TELLURIDES**
- Method of preparing radially homogeneous mercury cadmium telluride crystals
[NASA-CASE-MFS-25786-1] c 76 N83-18533
- MERCURY VAPOR**
- Mercury capillary interrupter Patent
[NASA-CASE-XNP-02251] c 12 N71-20896
- Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294

METABOLIC WASTES

- Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721
- Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MS-C-16777-1] c 51 N80-27067

METABOLISM

- Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086
- Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769
- Metabolic rate meter and method
[NASA-CASE-MS-C-12239-1] c 52 N79-21750

METAL BONDING

- Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
- Method of making a diffusion bonded refractory coating
Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610
- Metal valve pin with encapsulated elastomeric body
Patent
[NASA-CASE-MS-C-12116-1] c 15 N71-17648
- Apparatus for the determination of the existence or non-existence of a bonding between two members
Patent
[NASA-CASE-MFS-13686] c 15 N71-18132
- Soldering with solder flux which leaves corrosion resistant coating
Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
- Bonded elastomeric seal for electrochemical cells
Patent
[NASA-CASE-XGS-02631] c 03 N71-23006
- Silicon solar cell with cover glass bonded to cell by metal pattern
Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
- Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
- Bonding or repairing process
[NASA-CASE-MS-C-12357] c 15 N73-12489
- Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
- Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185
- Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- Totally confined explosive welding
[NASA-CASE-LAR-10941-2] c 37 N79-13364
- Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655
- Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
- Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-13359-1] c 27 N81-24265
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
- X-ray determination of parts alignment
[NASA-CASE-MS-C-20418-1] c 37 N83-17882
- Insulation bonding test system
[NASA-CASE-MFS-25862-1] c 27 N83-19903
- Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 31 N83-19949

METAL COATINGS

- Method of joining aluminum to stainless steel
Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
- Soldering with solder flux which leaves corrosion resistant coating
Patent
[NASA-CASE-XNP-03459] c 15 N71-21078
- Thermal control coating
Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
- Tantalum-dihydroxytantalum and niobium compounds
Patent
[NASA-CASE-XNP-04023] c 06 N71-28808
- Silicide coatings for refractory metals
Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- Selective nickel deposition
[NASA-CASE-LEW-10965-1] c 15 N72-25452
- Wide temperature range electronic device with lead attachment
[NASA-CASE-ERC-10224-2] c 09 N73-27150
- Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595
- Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363
- Metallic hot wire anemometer --- for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400

Solar cell collector

- [NASA-CASE-LEW-12552-1] c 44 N78-25527
- Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186
- Method and apparatus for coating substrates using lasers
[NASA-CASE-LEW-13526-1] c 26 N82-22347
- Light weight nickel battery plaque
[NASA-CASE-LEW-13349-1] c 44 N82-22673
- Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431
- Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N82-26575

METAL CUTTING

- Metal shearing energy absorber
[NASA-CASE-HQN-10638-1] c 15 N73-30460
- Vee-notching device --- with adjustable camage
[NASA-CASE-MFS-20730-1] c 39 N74-13131
- Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186
- Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

METAL FATIGUE

- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179

METAL FIBERS

- Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MS-C-12662-1] c 33 N79-12331

METAL FILMS

- Means and methods of depositing thin films on substrates
Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
- Metallic film diffusion for boundary lubrication
Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
- Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers
Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
- Metallic film diffusion for boundary lubrication
Patent
[NASA-CASE-XLE-10337] c 15 N71-24046
- Magnetic recording head and method of making same
Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210
- Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784
- Deposition of alloy films --- on irregularly shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270
- Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436
- Thin film strain transducer --- for strain monitoring of high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632

METAL FINISHING

- Selective plating of etched circuits without removing previous plating
Patent
[NASA-CASE-XGS-03120] c 15 N71-24047
- Surface finishing --- for aircraft wings
[NASA-CASE-MS-C-12631-1] c 24 N77-28225

METAL FOILS

- Folding apparatus
Patent
[NASA-CASE-XLA-00137] c 15 N70-33180
- Thermal control of space vehicles
Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- Thermal radiation shielding
Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
- Method of making porous conductive supports for electrodes --- by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
- Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
- Process for preparing high temperature polyimide film laminates
[NASA-CASE-LAR-12742-1] c 24 N81-12174
- Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

METAL FUELS

- Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209

METAL HALIDES

- Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- Direct current ballast circuit for metal halide lamp
[NASA-CASE-MS-C-18407-1] c 33 N82-24427
- High power metallic halide laser --- amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
- Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

METAL HYDRIDES

- Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436

METAL IONS

- Metal containing polymers from cyclic tetrameric phenylphosphonotriamides
Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206

METAL JOINTS

- Cryogenic connector for vacuum use
Patent
[NASA-CASE-XGS-02441] c 15 N70-41629
- Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170

METAL MATRIX COMPOSITES

- Reinforced metallic composites
Patent
[NASA-CASE-XLE-02428] c 17 N70-33288
- Process for producing dispersion strengthened nickel with aluminum
Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
- Self-lubricating gears and other mechanical parts
Patent
[NASA-CASE-MFS-14971] c 15 N71-24984
- Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- Method of preparing graphite reinforced aluminum composite
[NASA-CASE-MFS-21077-1] c 24 N75-28135
- Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
- Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- Preparation of monotectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- Heat exchanger and method of making --- rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573
- Method for alleviating thermal stress damage in laminates --- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170
- Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179
- Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384
- Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385

METAL OXIDE SEMICONDUCTORS

- Gyration employing field effect transistors
[NASA-CASE-MFS-21433] c 09 N73-20232
- Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential of field effect device
[NASA-CASE-GSC-11425-1] c 76 N74-20329
- Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638
- Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730
- Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
- Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
- Method of making V-MOS field effect transistors utilizing a two-step anisotropic etching and ion implantation
[NASA-CASE-GSC-12515-1] c 33 N81-26360
- Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525
- High voltage V-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N82-24717
- Integrated photo-responsive metal oxide semiconductor circuit
[NASA-CASE-GSC-12782-1] c 33 N83-13360

METAL OXIDES

- Process for producing dispersion strengthened nickel with aluminum
Patent
[NASA-CASE-XLE-06969] c 17 N71-24142
- Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N72-21094
- Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
- Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MS-C-12408-1] c 46 N74-13011
- Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MS-C-18172-1] c 26 N80-19237
- Method of forming oxide coatings
[NASA-CASE-LEW-13132-1] c 44 N81-27616
- Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

- Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904
- METAL PARTICLES**
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729
Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209
- METAL PLATES**
Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528
Strain arrestor plate for fused silica tile — bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MS-C-14182-1] c 27 N76-14264
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 31 N83-17745
- METAL POWDER**
Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-24911
Preparation of high purity copper fluoride
[NASA-CASE-LEW-10794-1] c 06 N72-17093
Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N82-26575
- METAL SHEETS**
Light shield and infrared reflector for fatigue testing Patent
[NASA-CASE-XLA-01782] c 14 N71-26136
Method of making pressure tight seal for super alloy
[NASA-CASE-LAR-10170-1] c 37 N74-11301
Method of making an explosively welded scarf joint
[NASA-CASE-LAR-11211-1] c 37 N75-12326
Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371
Apparatus for welding sheet material — butt joints
[NASA-CASE-XMS-01330] c 37 N75-27376
Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340
- METAL SHELLS**
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602
- METAL SPINNING**
Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
- METAL STRIPS**
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411
Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058
Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
High speed shutter — electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300
- METAL SURFACES**
Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
Plating nickel on aluminum castings Patent
[NASA-CASE-XNP-04148] c 17 N71-24830
Process for applying black coating to metals Patent
[NASA-CASE-XLA-06199] c 15 N71-24875
Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555
Method of forming ceramic to metal seal Patent
[NASA-CASE-XNP-01263-2] c 15 N71-26312
Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151
Thin film gauge — for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095
Surface finishing
[NASA-CASE-MS-C-12631-3] c 27 N81-14077
Improved refractory coatings — sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209

- Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
- Corrosion resistant thermal barrier coating — protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188
- Overlay metallic-cermet alloy coating systems — for gas turbine engines
[NASA-CASE-LEW-13639-1] c 27 N82-33522
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683
- METAL VAPOR LASERS**
High power metallic halide laser — amplifying a copper chloride laser
[NASA-CASE-NPO-14782-1] c 36 N82-28616
Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417
- METAL VAPORS**
Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477
- METAL WORKING**
Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
Extrusion die for refractory metals Patent
[NASA-CASE-XLE-06773] c 15 N71-23817
Magnetomotive metal working device Patent
[NASA-CASE-XMF-03793] c 15 N71-24833
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
Insert facing tool — manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-XMF-21485-1] c 37 N74-25968
Apparatus for forming dished ion thruster gnds
[NASA-CASE-LEW-11694-2] c 37 N76-14461
Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N81-16470
- METAL-METAL BONDING**
Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651
Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 31 N83-19949
- METALLIC GLASSES**
Glass compositions with a high modulus of elasticity — nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
- METALLIZING**
Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
- METALLOGRAPHY**
Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- METALLOSILOXANE POLYMER**
Thiophenyl ether disiloxanes and trisiloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058
- METALLURGY**
Induction furnace with perforated tungsten foil shielding Patent
[NASA-CASE-XLE-04026] c 14 N71-23267
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
- METALS**
Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Self-lubricating fluoride metal composite materials Patent
[NASA-CASE-XLE-08511] c 18 N71-23710

- Convoluting device for forming convolutions and the like Patent
[NASA-CASE-XNP-05297] c 15 N71-23811
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
- Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360
Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063
Scanning nozzle plating system — for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502
Thermocouple tape — developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434
Method of forming shrink-fit compression seal
[NASA-CASE-LAR-11563-1] c 37 N77-23482
Solar cells having integral collector gnds
[NASA-CASE-LEW-12819-1] c 44 N79-11467
Method and apparatus for producing concentric hollow spheres — for nuclear fusion by inertial confinement
[NASA-CASE-NPO-14596-2] c 31 N82-25401
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N83-12239
Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N83-14275
- METASTABLE STATE**
Stabilization of He(2s 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- METEORITE COLLISIONS**
Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
Method of and device for determining the characteristics and flux distribution of micrometeorites — scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130
- METEORITES**
Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018
- METEORITIC DAMAGE**
Meteoroid sensing apparatus having a coincidence network connected to a pair of capacitors Patent
[NASA-CASE-XLE-01246] c 14 N71-10797
- METEOROID HAZARDS**
Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367
- METEOROID PROTECTION**
Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
- METEOROLIDS**
Apparatus for photographing meteors
[NASA-CASE-LAR-10226-1] c 14 N73-19419
Meteoroid capture cell construction
[NASA-CASE-MS-C-12423-1] c 91 N76-30131
- METEOROLOGICAL BALLOONS**
Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007
- METHANE**
Gas lubricant compositions Patent
[NASA-CASE-XLE-00353] c 18 N70-39897
- METHYL ALCOHOLS**
Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 28 N82-12241
Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826
- MICHELSON INTERFEROMETERS**
Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
Multispectral imaging system
[NASA-CASE-MS-C-12404-1] c 23 N73-13661
Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391
- MICROANALYSIS**
Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- MICROBALANCES**
Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180
Microbalance — for measuring particle mass
[NASA-CASE-MS-C-11242] c 35 N78-17358
- MICROBALLOONS**
Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442
- MICROBIOLOGY**
Variable angle tube holder
[NASA-CASE-LAR-10507-1] c 11 N72-25284

- Apparatus for microbiological sampling --- including automatic swabbing
[NASA-CASE-LAR-11069-1] c 35 N75-12272
- Automatic inoculating apparatus --- includes movable carriage, drive motor, and swabbing motor
[NASA-CASE-LAR-11074-1] c 51 N75-13502
- Automatic microbial transfer device
[NASA-CASE-LAR-11354-1] c 35 N75-27330
- Application of luciferase assay for ATP to antimicrobial drug susceptibility
[NASA-CASE-GSC-12039-1] c 51 N77-22794
- Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
- MICROCHANNELS**
Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
- MICROCRACKS**
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507
- Method of fabricating an abrasible gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714
- Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996
- MICROELECTRONICS**
Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783
- Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032
- Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762
- Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
- Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396
- Inductorless narrow-band filter/amplifier
[NASA-CASE-GSC-12410-1] c 33 N79-24260
- Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
- Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709
- Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634
- MICROFIBERS**
Small conductive particle sensor --- microfiber size determination
[NASA-CASE-LAR-12552-1] c 35 N82-11431
- MICROFILMS**
Apparatus for inspecting microfilm Patent
[NASA-CASE-MFS-20240] c 14 N71-26788
- MICROINSTRUMENTATION**
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
- MICROMETEORITES**
Method of and device for determining the characteristics and flux distribution of micrometeorites --- scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130
- Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433
- MICROMETEORIODS**
Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
- Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957
- Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996
- Detector panels-micrometeoroid impact Patent
[NASA-CASE-XLA-05906] c 31 N71-16221
- Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
- Micrometeoroid penetration measuring device Patent
[NASA-CASE-XLA-00941] c 14 N71-23240
- Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285
- Micrometeoroid analyzer
[NASA-CASE-ARC-10443-1] c 14 N73-20477
- Meteoroid detector
[NASA-CASE-LAR-10483-1] c 14 N73-32327
- Deployable pressurized cell structure for a micrometeoroid detector
[NASA-CASE-LAR-10295-1] c 35 N74-21062
- Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390
- MICROMETERS**
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
- MICROMINIATURIZATION**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
- MICROORGANISMS**
Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395
- Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
- Biocorrosion and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698
- Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335
- Apparatus and process for microbial detection and enumeration
[NASA-CASE-LAR-12709-1] c 35 N82-28604
- MICROPARTICLES**
Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
- Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 34 N82-24448
- MICROPHONES**
Audio signal processor Patent
[NASA-CASE-MSC-12223-1] c 07 N71-26181
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779
- High-temperature microphone system --- for measuring pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203
- Adapter for mounting microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 35 N82-24474
- MICROPROCESSORS**
Microcomputerized electric field meter diagnostic and calibration system
[NASA-CASE-KSC-11035-1] c 35 N78-28411
- Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N82-11785
- MICROSCOPES**
Absolute focus lock for microscopes
[NASA-CASE-LAR-10184] c 14 N72-22445
- Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361
- MICROSTRIP TRANSMISSION LINES**
Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
- Multiple band circularly polarized microstrip antenna
[NASA-CASE-MSC-18334-1] c 32 N80-32604
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
- MICROSTRUCTURE**
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
- Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055
- Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372
- Preparation of monotelectic alloys having a controlled microstructure by directional solidification under dopant-induced interface breakdown
[NASA-CASE-MFS-23816-1] c 26 N80-23419
- MICROTHRUST**
Annular slit colloid thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- Heated porous plug microthruster
[NASA-CASE-GSC-10840-1] c 28 N72-18766
- MICROWAVE AMPLIFIERS**
Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
- Maser amplifier slow wave structure --- detecting weak signals from spacecraft
[NASA-CASE-NPO-15211-1] c 36 N81-24425
- Resonant isolator for maser amplifier
[NASA-CASE-NPO-15201-1] c 36 N81-24426
- MICROWAVE ANTENNAS**
Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
- Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750
- Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
- Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
- Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247
- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- Thin conformal antenna array for microwave power conversions
[NASA-CASE-NPO-13886-1] c 32 N78-24391
- Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
- MICROWAVE CIRCUITS**
Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
- MICROWAVE COUPLING**
Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
- MICROWAVE EQUIPMENT**
Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
- Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808
- Dual frequency microwave reflex feed
[NASA-CASE-NPO-13091-1] c 09 N73-12214
- Resonant waveguide stark cell --- using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245
- Refrigerated coaxial coupling --- for microwave equipment
[NASA-CASE-NPO-13504-1] c 33 N75-30430
- Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416
- Unequal split microwave power divider
[NASA-CASE-LAR-12889-1] c 33 N81-31483
- Microwave field effect transistor
[NASA-CASE-GSC-12442-1] c 33 N82-20398
- MICROWAVE FILTERS**
High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
- High-Q bandpass resonators utilizing bandstop resonator pairs
[NASA-CASE-GSC-10990-1] c 09 N73-26195
- MICROWAVE FREQUENCIES**
Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
- Voltage tunable Gunn-type microwave generator Patent
[NASA-CASE-XER-07894] c 09 N71-18721
- Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013
- MICROWAVE OSCILLATORS**
Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
- Electron beam controller --- using magnetic field to refocus spent electron beam in microwave oscillator tube
[NASA-CASE-LEW-11617-1] c 33 N74-10195
- MICROWAVE RADIOMETERS**
Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- Electromagnetic power absorber
[NASA-CASE-NPO-13830-1] c 32 N80-14281
- Microwave limb sounder --- measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040
- MICROWAVE REFLECTOMETERS**
Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267
- Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822

MICROWAVE RESONANCE

Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137

MICROWAVE SWITCHING

Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
Microwave switching power divider — antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340

MICROWAVE TRANSMISSION

Frequency translating phase conjugation circuit for active retrodirective antenna array — microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
Doppler radar having phase modulation of both transmitted and reflected return signals — ranging
[NASA-CASE-MS-18675-1] c 32 N81-29312
Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 33 N81-29344

MICROWAVE TUBES

Electrostatic collector for charged particles
[NASA-CASE-LEW-11192-1] c 09 N73-13208

MICROWAVES

Parametric microwave noise generator Patent
[NASA-CASE-XER-11019] c 09 N71-23598
Method and apparatus for optical modulating a light signal Patent
[NASA-CASE-GSC-10216-1] c 23 N71-26722
Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141
Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
Wide power range microwave feedback controller
[NASA-CASE-GSC-12146-1] c 33 N78-32340
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287

MIDAIR COLLISIONS

Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641

MILLIMETER WAVES

Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965
Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660

MILLING (MACHINING)

Apparatus for machining geometric cones Patent
[NASA-CASE-XMS-04292] c 15 N71-22722
Method for milling and drilling glass
[NASA-CASE-GSC-12636-1] c 37 N80-29705
Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

MILLING MACHINES

Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40238
Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
Grinding arrangement for ball nose milling cutters
[NASA-CASE-LAR-10450-1] c 37 N74-27905

MINERAL DEPOSITS

Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 31 N78-24387
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509

MINERAL METABOLISM

Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MS-14276-1] c 52 N77-14737

MINIATURE ELECTRONIC EQUIPMENT

Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091
Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597
Solid state television camera system Patent
[NASA-CASE-XMF-06092] c 07 N71-24612
Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407

MINIATURIZATION

Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897
Miniature carbon dioxide sensor and methods
[NASA-CASE-MS-13332-1] c 14 N72-21408
Magnetometer with a miniature transducer and automatic scanning
[NASA-CASE-LAR-11617-2] c 35 N78-32397
Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163

Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098

MINING

Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 31 N78-24387
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711
Underground mineral extraction
[NASA-CASE-NPO-14140-1] c 43 N81-26509
Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 43 N83-14607
High production shuttle car system for coal mines
[NASA-CASE-NPO-15949-1] c 37 N83-20155

MINORITY CARRIERS

A method of increasing minority carrier lifetime in silicon web or the like — VLSI semiconductor devices and high performance solar cells
[NASA-CASE-NPO-15530-1] c 76 N82-24993

MIRRORS

Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461
Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662
Method and apparatus for stabilizing a gaseous optical maser Patent
[NASA-CASE-XGS-03644] c 16 N71-18614
Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
Adjustable mount for a tridradal mirror Patent
[NASA-CASE-NPO-08907] c 23 N71-29123
Optical range finder having nonoverlapping complete images
[NASA-CASE-MS-12105-1] c 14 N72-21409
Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MS-12611-1] c 12 N76-15189
Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
Interferometer mirror tilt correcting system
[NASA-CASE-NPO-13687-1] c 35 N78-18391
Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969
Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N82-30073

MIS (SEMICONDUCTORS)

Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841

MISSILE CONTROL

Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864

MISSILE LAUNCHERS

Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353
Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043

MISSILE STRUCTURES

Missile rolling tail brake torque system — simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 37 N82-26675

MISSILES

Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100

MITOSIS

Process for control of cell division
[NASA-CASE-LAR-10773-3] c 51 N77-25769

MIXERS

Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067

MIXING CIRCUITS

Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324
Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141

MIXTURES

Low gravity phase separator
[NASA-CASE-MS-14773-1] c 35 N78-12390

MOBILITY

Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251

Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 35 N81-24414

MODE TRANSFORMERS

Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676
Direct current transformer
[NASA-CASE-MFS-23659-1] c 33 N79-17133

MODEMS

Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314

MODES (STANDING WAVES)

Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086

MODULATION

Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

MODULATORS

Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
Retrodirective modulator Patent
[NASA-CASE-XGS-10062] c 14 N71-15605
Laser calibrator Patent
[NASA-CASE-XLA-03410] c 16 N71-25914
Full wave modulator-demodulator amplifier apparatus — for generating rectified output signal
[NASA-CASE-FRC-10072-1] c 33 N74-14939
Charge storage diode modulators and demodulators
[NASA-CASE-NPO-10189-1] c 33 N77-21314
Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N82-10496
Coherently pulsed laser source
[NASA-CASE-NPO-15111-1] c 36 N82-29589

MODULES

Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184
Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550

MODULUS OF ELASTICITY

Glass compositions with a high modulus of elasticity — nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451
High modulus invert analog glass compositions containing beryllia
[NASA-CASE-HQN-10931-2] c 27 N82-29452
Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
High modulus rare earth and beryllium containing silicate glass compositions — for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455

MOISTURE

Gas purged dry box glove Patent
[NASA-CASE-XLE-02531] c 05 N71-23080

MOISTURE CONTENT

Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
Moisture content and gas sampling device — to test hermetically sealed electronic equipment
[NASA-CASE-MS-18866-1] c 35 N82-26634
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084

MOISTURE METERS

Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484

MOLDING MATERIALS

Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
Method of making a molded connector Patent
[NASA-CASE-XMF-03498] c 15 N71-15986
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
Hydroforming techniques using epoxy molds Patent
[NASA-CASE-XLE-05641-1] c 15 N71-26346
Molding process for imidazopyrrolone polymers
[NASA-CASE-LAR-10547-1] c 31 N74-13177
Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
Molded composite pyrolytic igniter for rocket motors — solid propellant ignition
[NASA-CASE-LAR-12018-1] c 20 N78-24275
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123

MOLDS

- Apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917-2] c 15 N71-24836
- Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
- Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133
- Molding apparatus — for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920
- Evacuated, displacement compression mold — of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111
- Method of making an apertured casting — using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570

MOLECULAR BEAMS

- Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
- Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269

MOLECULAR CHAINS

- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590

MOLECULAR GASES

- Compact hydrogenator
[NASA-CASE-NPO-11682-1] c 35 N74-15127

MOLECULAR PUMPS

- Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
- Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294

MOLECULAR RELAXATION

- Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

MOLECULAR ROTATION

- Diatomic infrared gasdynamic laser — for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426

MOLECULAR SPECTROSCOPY

- Dual resonant cavity absorption cell Patent
[NASA-CASE-LAR-10305] c 14 N71-26137

MOLECULES

- Stabilization of He2(a 3 Sigma u+ molecules in liquid helium by optical pumping for vacuum UV laser
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- Improved process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462

MOLTEN SALT ELECTROLYTES

- Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
- Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643

MOLTEN SALTS

- Molten salt pyrolysis of latex — synthetic hydrocarbon fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261

MOLYBDENUM

- Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346

MOLYBDENUM CARBIDES

- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077

MOLYBDENUM DISULFIDES

- Atomic hydrogen storage method and apparatus
[NASA-CASE-LEW-12081-3] c 28 N81-14103

MOMENTS OF INERTIA

- Moment of inertia test fixture Patent
[NASA-CASE-XGS-01023] c 14 N71-22992

MOMENTUM

- Attitude control and damping system for spacecraft Patent
[NASA-CASE-XLA-02551] c 21 N71-21708
- Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990

MONATOMIC GASES

- Atomic hydrogen storage — cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402

MONITORS

- Leak detector Patent
[NASA-CASE-LAR-10323-1] c 12 N71-17573
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026

- Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
- Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
- Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
- Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
- Automatic lightning detection and photographic system
[NASA-CASE-KSC-10728-1] c 14 N73-32319
- Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- Remote lightning monitor system
[NASA-CASE-KSC-11031-1] c 33 N79-11315
- Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- Intrusion detection method and apparatus — monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N81-19430
- Indirect microbial detection
[NASA-CASE-LAR-12520-1] c 51 N81-28698

MONOCHROMATIC RADIATION

- Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753
- Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
- Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900

MONOCHROMATORS

- Analytical photoionization mass spectrometer with an argon gas filter between the light source and monochromator Patent
[NASA-CASE-LAR-10180-1] c 06 N71-13461
- Color television system
[NASA-CASE-MS-12146-1] c 07 N72-17109

MONOMERS

- Pressure transducer — using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
- Bifunctional monomers having terminal oxime and cyano or amide groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N81-31364
- Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
- Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N83-13258
- Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715

MONOPOLE ANTENNAS

- Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
- Flexible blade antenna Patent
[NASA-CASE-MS-12101] c 09 N71-18720

MONOPROPELLANTS

- Ignition system for monopropellant combustion devices Patent
[NASA-CASE-XNP-00249] c 28 N70-38249
- Ignition means for monopropellant Patent
[NASA-CASE-XNP-00876] c 28 N70-41311
- Low thrust monopropellant engine
[NASA-CASE-GSC-12194-2] c 20 N82-18314

MONOPULSE ANTENNAS

- Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
- Low noise single aperture multimode monopulse antenna feed system Patent
[NASA-CASE-XNP-01735] c 07 N71-22750
- Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804
- Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472

MONOPULSE RADAR

- Polarization diversity monopulse tracking receiver Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
- Monopulse tracking system Patent
[NASA-CASE-XGS-01155] c 10 N71-21483

MONOSTABLE MULTIVIBRATORS

- Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016
- Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MS-13492-1] c 10 N71-28860

MOSSBAUER EFFECT

- Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091
- Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329

MOTION

- Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994

MOTION PICTURES

- Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
- Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328

MOTION SIMULATORS

- Kinesthetic control simulator — for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662
- Helmet weight simulator
[NASA-CASE-LAR-12320-1] c 54 N81-27806

MOTION STABILITY

- Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658

MOTORS

- Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313
- System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805
- Mechanical thermal motor
[NASA-CASE-MFS-23062-1] c 37 N77-12402
- Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
- Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332

MOUNTING

- Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
- Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357
- Clamping assembly for inertial components Patent
[NASA-CASE-XMS-02184] c 15 N71-20813
- Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
- Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
- Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284
- Deformable bearing seat
[NASA-CASE-LEW-12527-1] c 37 N77-32500
- Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
- Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359
- Clamp-mount device
[NASA-CASE-MFS-25510-1] c 37 N82-11470
- Inflatable device for installing strain gage bridges
[NASA-CASE-LEW-11068-1] c 35 N82-24473
- Adapter for mounting microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 35 N82-24474

MOVING TARGET INDICATORS

- Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359

MULTICHANNEL COMMUNICATION

- Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420
- Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
- Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
- Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- Medical subject monitoring systems — multichannel monitoring systems
[NASA-CASE-MS-14180-1] c 52 N76-14757
- Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011

MULTILAYER INSULATION

- Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022
- Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351

MULTIPACTOR DISCHARGES

- Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186
- Method of making an insulation foil
[NASA-CASE-LEW-11484-1] c 24 N75-33181
- Process for preparing high temperature polyimide film laminates
[NASA-CASE-LAR-12742-1] c 24 N81-12174
- Multiturn thermal protection system
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Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
Scanning nozzle plating system — for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
Method and system for nuclear waste disposal — control valves for encapsulating wastes
[NASA-CASE-NPO-15454-1] c 73 N82-12916
Controlled overspray spray nozzle
[NASA-CASE-MSC-25139-1] c 34 N82-13376

NOZZLE FLOW

- Control system for rocket vehicles Patent
[NASA-CASE-XLA-01163] c 21 N71-15582
Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647
Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129

NOZZLE GEOMETRY

- Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123

NOZZLE INSERTS

- Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967
Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

NUCLEAR EXPLOSION EFFECT

- Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852

NUCLEAR FUEL ELEMENTS

- Nuclear fuel elements
[NASA-CASE-XLE-00209] c 22 N73-32528

NUCLEAR FUSION

- Method and apparatus for producing concentric hollow spheres — for nuclear fusion by inertial confinement
[NASA-CASE-NPO-14596-2] c 31 N82-25401

- Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-3] c 27 N82-26461

NUCLEAR MAGNETIC RESONANCE

- Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266

NUCLEAR POWER PLANTS

- Self-adjusting multisegment, deployable, natural circulation radiator Patent
[NASA-CASE-XHQ-03673] c 33 N71-29046

NUCLEAR PUMPED LASERS

- Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307

NUCLEAR PUMPING

- Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415

NUCLEAR REACTOR CONTROL

- Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597
Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913

NUCLEAR REACTORS

- Nuclear thermionic converter — tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891

NUCLEATE BOILING

- Method of improving heat transfer characteristics in a nucleate boiling process Patent
[NASA-CASE-XMS-04268] c 33 N71-16277

NUCLEATION

- Method and apparatus for supercooling and solidifying substances — containment melts and space processing
[NASA-CASE-MFS-25242-1] c 35 N81-24413

NULL ZONES

- Null device for hand controller Patent
[NASA-CASE-XLA-01808] c 15 N71-20740

NUMBER THEORY

- Binary concatenated coding system
[NASA-CASE-MSC-14082-1] c 60 N76-23850

NUMERICAL CONTROL

- Fringe counter for interferometers Patent
[NASA-CASE-LAR-10204] c 14 N71-27215
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
Controller for computer control of brushless dc motors — automobile engines
[NASA-CASE-NPO-13970-1] c 33 N81-20352
Reconfiguring redundancy management
[NASA-CASE-MSC-18498-1] c 60 N82-29013

NUMERICAL INTEGRATION

- Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437

NUTATION

- Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747

NUTATION DAMPERS

- Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719
Method of and apparatus for damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N81-12156

NUTS (FASTENERS)

- Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922
Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

O RING SEALS

- High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908
Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442
Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447
Unitary seal ring assembly — cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N82-25517
Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

OBLIQUE WINGS

- Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217

OCCLUSION

- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962

OCEAN CURRENTS

- Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502

OCEAN DATA ACQUISITIONS SYSTEMS

- Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

OCEAN SURFACE

- Surface roughness measuring system — synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391

OCEANIC WAVE MEASUREMENT SYSTEM

- [NASA-CASE-MFS-23862-1] c 48 N80-18667

OCEAN THERMAL ENERGY CONVERSION

- Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542

OFFSHORE PLATFORMS

- Ocean thermal plant
[NASA-CASE-KSC-11034-1] c 44 N78-32542

OHMMETERS

- Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497

OIL EXPLORATION

- Underwater seismic source — for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555
Borehole geological assessment
[NASA-CASE-NPO-14231-1] c 46 N80-10709

OIL RECOVERY

- Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308
In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452
Crude oil desulfurization
[NASA-CASE-NPO-14542-1] c 25 N82-23282

OILS

- Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
Oil and fat absorbing polymers
[NASA-CASE-NPO-11609-2] c 27 N77-31308

OMNIDIRECTIONAL ANTENNAS

- Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888
Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244
Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247

ONBOARD EQUIPMENT

- Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
Cryogenic storage system Patent
[NASA-CASE-XMS-04390] c 31 N70-41871
Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
Satellite aided vehicle avoidance system Patent
[NASA-CASE-ERC-10090] c 21 N71-24948
A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613
Collapsible Apollo couch
[NASA-CASE-MSC-13140] c 05 N72-11085
Monostable multivibrator
[NASA-CASE-GSC-10082-1] c 10 N72-20221
Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
Electronic strain-level counter
[NASA-CASE-LAR-10756-1] c 32 N73-26910
Magnetic heading reference
[NASA-CASE-LAR-11387-1] c 04 N76-20114

OPERATING TEMPERATURE

- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579

OPERATIONAL AMPLIFIERS

- Digital automatic gain amplifier
[NASA-CASE-KSC-11008-1] c 33 N79-22373
Automatic level control circuit
[NASA-CASE-KSC-11170-1] c 33 N81-29347
Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N82-11359
Reactanceless bandpass amplifier
[NASA-CASE-GSC-12788-1] c 33 N83-12333
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N83-17804

OPHTHALMOLOGY

- Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
Ophthalmic liquefaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640

OPTICAL COMMUNICATION

- Retrodirective optical system
[NASA-CASE-XGS-04480] c 16 N69-27491
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 07 N71-12389
- Optical frequency waveguide and transmission system Patent
[NASA-CASE-HQN-10541-4] c 16 N71-27183
- Optical communications system Patent
[NASA-CASE-XLA-01090] c 16 N71-28963
- High pulse rate high resolution optical radar system
[NASA-CASE-NPO-11426] c 07 N73-26119
- Apparatus for simulating optical transmission links
[NASA-CASE-GSC-11877-1] c 74 N76-18913
- Fiber distributed feedback laser
[NASA-CASE-NPO-13531-1] c 36 N76-24553
- Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
- Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
- Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889
- Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N81-12862
- Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092

OPTICAL COUPLING

- Automatic quadrature control and measuring system --- using optical coupling circuitry
[NASA-CASE-MFS-21660-1] c 35 N74-21017

OPTICAL DATA PROCESSING

- Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666
- Recorder/processor apparatus --- for optical data processing
[NASA-CASE-GSC-11553-1] c 35 N74-15831
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N80-32607
- Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342
- Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
- Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950

OPTICAL DENSITY

- Medical diagnosis system and method with multispectral imaging --- depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

OPTICAL EMISSION SPECTROSCOPY

- Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041

OPTICAL EQUIPMENT

- Light detection instrument Patent
[NASA-CASE-XGS-05534] c 23 N71-16355
- Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
- Combined optical attitude and altitude indicating instrument Patent
[NASA-CASE-XLA-01907] c 14 N71-23268
- Laser grating interferometer Patent
[NASA-CASE-XLA-04295] c 16 N71-24170
- Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868
- Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
- Petzval type objective including field shaping lens Patent
[NASA-CASE-GSC-10700] c 23 N71-30027
- Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389
- Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
- Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037
- Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
- Borescope with variable angle scope
[NASA-CASE-MFS-15162] c 14 N72-32452
- Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427
- Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630

Infrared horizon locator

- [NASA-CASE-LAR-10726-1] c 14 N73-20475
- Multiple pass reimagining optical system
[NASA-CASE-ARC-10194-1] c 23 N73-20741
- Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304
- Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
- Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
- Optical alignment device
[NASA-CASE-ARC-10932-1] c 74 N76-22993
- Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- Optical instrument employing reticle having preselected visual response pattern formed thereon
[NASA-CASE-ARC-10976-1] c 74 N77-22950
- Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- Process for producing a well-adhered durable optical coating on an optical plastic substrate --- abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- Heat reflecting field stop
[NASA-CASE-LAR-12443-1] c 74 N82-19030
- High speed multi focal plane optical system
[NASA-CASE-GSC-12683-1] c 74 N82-24973
- Dual aperture multispectral Schmidt objective
[NASA-CASE-GSC-12756-1] c 74 N82-30073
- Tool for releasing optical elements
[NASA-CASE-GSC-12794-1] c 37 N83-12434
- Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

OPTICAL FILTERS

- High temperature lens construction Patent
[NASA-CASE-XNP-04111] c 14 N71-15622
- Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence
[NASA-CASE-NPO-11133-1] c 23 N72-11568
- Optical noise suppression device and method --- laser light exposing film
[NASA-CASE-MSC-12640-1] c 74 N76-31998
- System for producing chroma signals
[NASA-CASE-MSC-14683-1] c 74 N77-18893
- Optical conversion method --- for spacecraft television
[NASA-CASE-MSC-12618-1] c 74 N78-17865
- Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891

OPTICAL GYROSCOPES

- Optical gyroscope system
[NASA-CASE-NPO-14258-1] c 35 N81-33448

OPTICAL HETERODYNING

- Multispectral imaging system
[NASA-CASE-MSC-12404-1] c 23 N73-13661
- Gregorian all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942
- Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346

OPTICAL MEASUREMENT

- Passive optical wind and turbulence detection system Patent
[NASA-CASE-XMF-14032] c 20 N71-16340
- Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample
[NASA-CASE-XGS-05281] c 23 N71-16341
- Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
- Hybrid holographic non-destructive test system
[NASA-CASE-MFS-23114-1] c 38 N78-32447
- Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913

- Rotary target V-block --- aligning wind tunnel apparatus for optical measurement
[NASA-CASE-LAR-12007-2] c 74 N79-25876
- Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 35 N81-12386
- Apparatus for fiber optic liquid level sensing
[NASA-CASE-MSC-18674-1] c 74 N81-24907
- Film advance indicator
[NASA-CASE-LAR-12474-1] c 35 N82-26628

OPTICAL MEASURING INSTRUMENTS

- Optically pumped resonance magnetometer for determining vectorial components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428
- Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673
- Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323
- Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
- Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
- Interferometer
[NASA-CASE-NPO-14502-1] c 74 N81-17888
- Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N81-22894
- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MSC-18627-1] c 74 N82-30071

OPTICAL PATHS

- Optical instruments
[NASA-CASE-MSC-14096-1] c 74 N74-15095
- Large volume multiple-path nuclear pumped laser
[NASA-CASE-LAR-12592-1] c 36 N82-13415

OPTICAL PROPERTIES

- Optical torqueometer Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
- Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065
- Light sensor
[NASA-CASE-NPO-11311] c 14 N72-25414
- Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
- Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
- Optically actuated two position mechanical mover
[NASA-CASE-NPO-13105-1] c 37 N74-21060
- Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437

OPTICAL PUMPING

- Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485
- Laser head for simultaneous optical pumping of several dye lasers --- with single flash lamp
[NASA-CASE-LAR-11341-1] c 36 N75-19655
- Stabilization of He2(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser
[NASA-CASE-NPO-13993-1] c 72 N79-13826
- Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N81-12407
- Active lamp pulse driver circuit --- for use in laser transmitters
[NASA-CASE-GSC-12566-1] c 36 N82-10390

OPTICAL PYROMETERS

- Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254

OPTICAL RADAR

- Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437

OPTICAL RANGE FINDERS

- Altitude sensing device
[NASA-CASE-XMS-01994-1] c 14 N72-17326
- Optical range finder having nonoverlapping complete images
[NASA-CASE-MSC-12105-1] c 14 N72-21409
- Ranging system --- industrial robotics
[NASA-CASE-NPO-15865-1] c 74 N83-12991

OPTICAL REFLECTION

- Hybrid holographic system using reflected and transmitted object beams simultaneously Patent
[NASA-CASE-MFS-20074] c 16 N71-15565
- Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674

illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292

Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128

Gregonan all-reflective optical system
[NASA-CASE-GSC-12058-1] c 74 N77-26942

Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933

Method and apparatus for splitting a beam of energy --- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848

Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358

OPTICAL RESONANCE
Optically pumped resonance magnetometer for determining vector components in a spatial coordinate system Patent
[NASA-CASE-XGS-04879] c 14 N71-20428

Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653

OPTICAL SCANNERS
Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485

Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298

Electro-optical scanning apparatus Patent Application
[NASA-CASE-NPO-11108] c 14 N70-34697

Multi-lobe scan horizon sensor Patent
[NASA-CASE-XGS-00809] c 21 N70-35427

Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441

Spacecraft attitude sensor
[NASA-CASE-GSC-10890-1] c 21 N73-30640

Optical instruments
[NASA-CASE-MS-C-14096-1] c 74 N74-15095

Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431

Traffic survey system --- using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888

Optical scanner --- laser doppler velocimeters
[NASA-CASE-LAR-11711-1] c 74 N78-17866

Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904

Velocity servo for continuous scan Fourier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563

Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245

Scanning afocal laser velocimeter projection lens system
[NASA-CASE-LAR-12328-1] c 36 N82-32712

OPTICAL TRACKING
Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678

Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100

Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627

Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520

Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 43 N83-14607

Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950

OPTICAL TRANSFER FUNCTION
Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935

OPTICAL WAVEGUIDES
Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029

OPTIMAL CONTROL
Energy saving electrical motor control system
[NASA-CASE-MFS-25560-1] c 33 N82-30472

OPTIMIZATION
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407

ORAL HYGIENE
Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

ORBITAL ASSEMBLY
Structural members, method and apparatus
[NASA-CASE-MS-C-16217-1] c 31 N81-27323

ORBITAL MANEUVERS
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278

ORBITAL MECHANICS
A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MS-C-12391] c 30 N73-12884

ORBITAL SPACE STATIONS

Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373

Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345

Space manufacturing machine Patent
[NASA-CASE-MFS-20410] c 15 N71-19214

ORGANIC CHEMISTRY

Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4, 5-tetraamino-benzene Patent
[NASA-CASE-XLA-03104] c 08 N71-11235

Amino acid analysis
[NASA-CASE-NPO-12130-1] c 25 N75-14844

ORGANIC COMPOUNDS

Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230

Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500

Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620

Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128

Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245

Analysis of volatile organic compounds --- trace amounts of organic volatiles in gas samples
[NASA-CASE-MS-C-14428-1] c 23 N77-17161

Electrophotolysis oxidation system for measurement of organic concentration in water
[NASA-CASE-MS-C-16497-1] c 25 N82-12166

ORGANIC SILICON COMPOUNDS

Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052

ORGANIC SULFUR COMPOUNDS

Coal desulfurization --- using iron pentacarbonyl
[NASA-CASE-NPO-14272-1] c 25 N81-33246

ORGANOMETALLIC COMPOUNDS

Ammonium perchlorate composite propellant containing an organic transitional metal chelate catalytic additive Patent
[NASA-CASE-LAR-10173-1] c 27 N71-14090

Nitryl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808

ORGANOMETALLIC POLYMERS

Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363

Thiophenyl ether disiloxanes and siloxanes useful as lubricant fluids
[NASA-CASE-MFS-22411-1] c 37 N74-21058

ORIFICE FLOW

Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924

ORIFICES

Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736

ORTHO HYDROGEN

Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 34 N82-10358

ORTHO PARA CONVERSION

Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 34 N82-10358

ORTHOGONAL MULTIPLEXING THEORY

Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917

ORTHOGONALITY

Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790

ORTHOPEDICS

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-1] c 54 N76-22914

Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661

ORTHOTROPIC CYLINDERS

Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658

Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659

OSCILLATION DAMPERS

Viscous-pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894

Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729

Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146

Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612

Method of and apparatus for damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N81-12156

Apparatus for damping operator induced oscillations of a controlled system --- flight control
[NASA-CASE-FRC-11041-1] c 33 N82-18493

OSCILLATIONS

Parasitic suppressing circuit
[NASA-CASE-ERC-10403-1] c 10 N73-26228

OSCILLATORS

Electromagnetic mirror drive system
[NASA-CASE-XLA-03724] c 14 N69-27461

Frequency control network for a current feedback oscillator Patent
[NASA-CASE-GSC-10041-1] c 10 N71-19418

Static inverter Patent
[NASA-CASE-XGS-05289] c 09 N71-19470

Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545

Pneumatic oscillator Patent
[NASA-CASE-LEW-10345-1] c 10 N71-25899

Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271

Variable frequency oscillator with temperature compensation Patent
[NASA-CASE-XNP-03916] c 09 N71-28810

Inverter oscillator with voltage feedback
[NASA-CASE-NPO-10760] c 09 N72-25254

Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194

Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862

LC-oscillator with automatic stabilized amplitude via bias current control --- power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732

Frequency modulated oscillator
[NASA-CASE-MFS-23181-1] c 33 N77-17351

Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919

JFET oscillator
[NASA-CASE-GSC-12555-1] c 33 N80-26601

Digital numerically controlled oscillator
[NASA-CASE-MS-C-16747-1] c 33 N81-17349

Laser resonator
[NASA-CASE-GSC-12565-1] c 36 N82-24485

Dielectric based submillimeter backward wave oscillator circuit
[NASA-CASE-LEW-13736-1] c 33 N83-17802

OSCILLOSCOPES

Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365

Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172

Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322

X-Y alphanumeric character generator for oscilloscopes
[NASA-CASE-GSC-11582-1] c 33 N75-19517

OUTER PLANETS EXPLORERS

Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613

OUTGASSING

Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365

Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582

Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100

OUTLET FLOW

Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639

OUTPUT

Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373

OVENS

Heat shield oven
[NASA-CASE-XMS-04318] c 15 N69-27871

Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431

OVERPRESSURE

Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

OVERVOLTAGE

Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897

Power responsive overload sensing circuit Patent
[NASA-CASE-GSC-10667-1] c 10 N71-33129

Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929

Overload protection system for power inverter
[NASA-CASE-NPO-13872-1] c 33 N78-10377

OXAZOLE

Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300

SUBJECT INDEX

The 1,2,4-oxadiazole elastomers --- heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262

Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353

OXIDATION

Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040

Automated analysis of oxidative metabolites
[NASA-CASE-ARC-10469-1] c 25 N75-12086

Hydrogen rich gas generator
[NASA-CASE-NPO-13464-2] c 44 N76-29704

Process of forming catalytic surfaces for wet oxidation reactions
[NASA-CASE-MS-C-14831-1] c 25 N78-10225

Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MS-C-14903-2] c 27 N80-10358

Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385

OXIDATION RESISTANCE

Nickel-base alloy containing Mo-W-Al-Cr-Ta-Zr-C-Nb-B Patent
[NASA-CASE-XLE-02082] c 17 N71-16026

Method of protecting the surface of a substrate --- by applying aluminate coating
[NASA-CASE-LEW-11696-1] c 37 N75-13261

Duplex aluminized coatings
[NASA-CASE-LEW-11696-2] c 26 N75-19408

High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217

High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213

Method of making bearing materials --- self-lubricating, oxidation resistant composites for high temperature applications
[NASA-CASE-LEW-11930-4] c 24 N79-17916

Improved thermal barrier coating system
[NASA-CASE-LEW-13324-1] c 26 N82-26431

Nickel ternary alloy having improved cyclic oxidation resistance
[NASA-CASE-LEW-13339-1] c 26 N82-31505

OXIDATION-REDUCTION REACTIONS

Electrochemical cell for rebalancing REDOX flow system
[NASA-CASE-LEW-13150-1] c 44 N79-26474

Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-1] c 33 N80-20487

Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268

OXIDE FILMS

Method of forming oxide coatings
[NASA-CASE-LEW-13132-1] c 44 N81-27616

Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397

OXIDES

Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029

OXIDIZERS

Electrolytically regenerative hydrogen-oxygen fuel cell Patent
[NASA-CASE-XLE-04526] c 03 N71-11052

Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843

OXIMETRY

Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185

OXYGEN

Analytical test apparatus and method for determining oxide content of alkali metal Patent
[NASA-CASE-XLE-01997] c 06 N71-23527

Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773

Method of detecting oxygen in a gas
[NASA-CASE-LAR-10668-1] c 06 N73-16106

Method for obtaining oxygen from lunar or similar soil
[NASA-CASE-MS-C-12408-1] c 46 N74-13011

Nonflammable coating compositions --- for use in high oxygen environments
[NASA-CASE-MFS-20486-2] c 27 N74-17283

State-of-charge coulometer
[NASA-CASE-NPO-15759-1] c 35 N82-26630

OXYGEN CONSUMPTION

Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202

OXIGEN FLUORIDES

Utilization of oxygen difluoride for syntheses of fluoropolymers
[NASA-CASE-NPO-12061-1] c 27 N76-16228

OXIGEN METABOLISM

Metabolic analyzer --- for measuring metabolic rate and breathing dynamics of human beings
[NASA-CASE-MFS-21415-1] c 52 N74-20728

OXIGEN PLASMA

Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052

OXIGEN REGULATORS

Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664

OXIGEN SUPPLY EQUIPMENT

Self-contained breathing apparatus
[NASA-CASE-MS-C-14733-1] c 54 N76-24900

Slow opening valve
[NASA-CASE-MS-C-20112-1] c 37 N82-28641

OZONE

Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210

Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579

Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514

P

P-I-N JUNCTIONS

High voltage V-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N82-24717

P-N JUNCTIONS

Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191

Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422

Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513

Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440

Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492

Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156

Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438

Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532

Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541

Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528

P-TYPE SEMICONDUCTORS

Semiconductor material and method of making same Patent
[NASA-CASE-XLE-02798] c 26 N71-23654

Integrated P-channel MOS gyrator
[NASA-CASE-MFS-22343-1] c 33 N74-34638

Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780

PACKAGES

Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225

One hand backpack harness
[NASA-CASE-LAR-10102-1] c 05 N72-23085

PACKAGING

Folding apparatus Patent
[NASA-CASE-XLA-00137] c 15 N70-33180

Reflector space satellite Patent
[NASA-CASE-XLA-00138] c 31 N70-37981

Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405

Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482

Line hook with loop expander
[NASA-CASE-LAR-12875-1] c 37 N83-20156

PACKING DENSITY

Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936

PACKINGS (SEALS)

Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541

PARABOLIC REFLECTORS

PAD

Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562

PAINTS

Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469

Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183

Inorganic thermal control pigment Patent
[NASA-CASE-XNP-02139] c 18 N71-24184

PALLADIUM

Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396

PALLADIUM COMPOUNDS

Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864

Process for separation of dissolved hydrogen from water by use of palladium and process for coating palladium with palladium black
[NASA-CASE-MS-C-13335-1] c 06 N72-31140

PANELS

All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799

Panelized high performance multilayer insulation Patent
[NASA-CASE-MFS-14023] c 33 N71-25351

Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726

Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018

Honeycomb panels formed of minimal surface periodic tubule layers
[NASA-CASE-ERC-10364] c 18 N72-25540

Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487

Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415

Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040

Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11898-2] c 24 N78-17149

Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599

Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515

Aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-3] c 44 N80-16452

Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999

Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396

Prestressed thermal protection systems --- space shuttle orbiters
[NASA-CASE-MS-C-20254-1] c 24 N83-17601

PAPER (MATERIAL)

Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747

PAPERS

Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457

PARA HYDROGEN

Cooling by conversion of para to ortho-hydrogen
[NASA-CASE-GSC-12770-1] c 34 N82-10358

PARABOLIC ANTENNAS

Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219

Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696

Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472

Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324

Focal axis resolver for offset reflector antennas
[NASA-CASE-GSC-12630-1] c 32 N82-10287

PARABOLIC REFLECTORS

Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382

Foldable solar concentrator Patent
[NASA-CASE-XLA-04622] c 03 N70-41580

Collapsible reflector Patent
[NASA-CASE-XMS-03454] c 09 N71-20658

Plural beam antenna
[NASA-CASE-GSC-11013-1] c 09 N73-19234

Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013

Single frequency, two feed dish antenna having switchable beamwidth
[NASA-CASE-GSC-11968-1] c 32 N76-15329

- Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526
Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481
Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358

PARABOLOID MIRRORS

- Optical data processing using paraboloidal mirror segments
[NASA-CASE-GSC-11296-1] c 23 N73-30666
Three mirror glancing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866
Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15406-1] c 33 N82-12345

PARACHUTE DESCENT

- Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804
Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
Line cutter Patent
[NASA-CASE-XMS-04072] c 15 N70-42017
Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898

PARACHUTE FABRICS

- Lightweight, variable solidity knitted parachute fabric --- for aerodynamic decelerators
[NASA-CASE-LAR-10776-1] c 02 N74-10034
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330

PARACHUTES

- System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
Deploy/release system --- model aircraft flight control
[NASA-CASE-LAR-11575-1] c 02 N76-16014
System and method for refurbishing and processing parachutes --- monoval conveyor system
[NASA-CASE-KSC-11042-2] c 02 N81-26073
Method for refurbishing and processing parachutes
[NASA-CASE-KSC-11042-1] c 09 N82-29330
Line hook with loop expander
[NASA-CASE-LAR-12875-1] c 37 N83-20156

PARAGLIDERS

- Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804

PARALLAX

- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357

PARALLEL PLATES

- Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
Dynamic capacitor having a peripherally driven element and system incorporating the same
[NASA-CASE-XNP-02899-1] c 33 N79-21265
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360

PARALLEL PROCESSING (COMPUTERS)

- Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751
Massively parallel processor computer
[NASA-CASE-GSC-12223-1] c 60 N79-27864

PARALLELOGRAMS

- Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359

PARAMETRIC AMPLIFIERS

- Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258
Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660

PARAMETRIC FREQUENCY CONVERTERS

- Method and apparatus for quadrature phase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192

PARAWINGS

- Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630

PARKING

- Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480

PARTIAL PRESSURE

- Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741

PARTICLE ACCELERATION

- Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777
Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213

PARTICLE ACCELERATOR TARGETS

- Dispensing targets for ion beam particle generators
[NASA-CASE-NPO-13112-1] c 73 N74-26767
Deuteron pass through target --- neutron emitting target
[NASA-CASE-LEW-11866-1] c 72 N76-15860
Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237

PARTICLE BEAMS

- Particle beam measurement apparatus using beam kinetic energy to change the heat sensitive resistance of the detection probe Patent
[NASA-CASE-XLE-00243] c 14 N70-38602
Doppler shift system --- system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-18310

PARTICLE COLLISIONS

- Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22990

PARTICLE DENSITY (CONCENTRATION)

- Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112

PARTICLE DIFFUSION

- Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112

PARTICLE EMISSION

- Extended area semiconductor radiation detectors and a novel readout arrangement Patent
[NASA-CASE-XGS-03230] c 14 N71-23401
Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328

PARTICLE ENERGY

- Particle detection apparatus Patent
[NASA-CASE-XLA-00135] c 14 N70-33322
Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509

PARTICLE MASS

- Cosmic dust analyzer
[NASA-CASE-MSC-13802-2] c 35 N76-15431
Microbalance --- for measuring particle mass
[NASA-CASE-MSC-11242] c 35 N78-17358

PARTICLE MOTION

- Moving particle composition analyzer
[NASA-CASE-GSC-11889-1] c 35 N76-16393

PARTICLE PRECIPITATION

- Acoustic agglomeration methods and apparatus
[NASA-CASE-NPO-15466-1] c 71 N82-27087

PARTICLE PRODUCTION

- Production of I-123
[NASA-CASE-LEW-11390-3] c 25 N76-29379

PARTICLE SIZE DISTRIBUTION

- Micropacked column for a chromatographic system
[NASA-CASE-XNP-04816] c 06 N69-39936
Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382
Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
Apparatus for handling micron size range particulate material
[NASA-CASE-NPO-10151] c 37 N78-17386
Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364
Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Powder fed sheared dispersal particle generator
[NASA-CASE-LAR-12785-1] c 34 N82-24448
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112

PARTICLE TRAJECTORIES

- Micrometeoroid velocity and trajectory analyzer
[NASA-CASE-GSC-11892-1] c 35 N76-15433
Direction sensitive laser velocimeter --- determining the direction of particles using a helium-neon laser
[NASA-CASE-LAR-12177-1] c 36 N81-24422

PARTICLES

- Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440
Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535
Particle parameter analyzing system --- x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293

- Surfactant-assisted liquefaction of particulate carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

PARTICULATE SAMPLING

- Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376
Electrophoretic sample insertion --- device for uniformly distributing samples in flow path
[NASA-CASE-MFS-21395-1] c 25 N74-26948
Sampler of gas borne particles
[NASA-CASE-NPO-13396-1] c 35 N76-18401
Fine particulate capture device
[NASA-CASE-LEW-11583-1] c 35 N79-17192
Biocontamination and particulate detection system
[NASA-CASE-NPO-13953-1] c 35 N79-28527

PASSAGEWAYS

- Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962

PASSIVE SATELLITES

- Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Method and apparatus for determining electromagnetic characteristics of large surface area passive reflectors Patent
[NASA-CASE-XGS-02608] c 07 N70-41678
Method of making an inflatable panel Patent
[NASA-CASE-XLA-03497] c 15 N71-23052

PATENT APPLICATIONS

- Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 28 N82-26481
Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N83-13258
Apparatus and method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-14130
Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276

PATENTS

- Constant magnification optical tracking system
[NASA-CASE-NPO-14813-1] c 74 N82-24072
Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

PATIENTS

- Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159

PATTERN RECOGNITION

- Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
Auditory display for the blind
[NASA-CASE-HQN-10832-1] c 71 N74-21014

PAYLOAD RETRIEVAL (STS)

- Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855

SATELLITE RETRIEVAL

- Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N81-24164

PAYLOADS

- Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085
Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227

PCM TELEMETRY

- Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
High speed direct binary-to-binary coded decimal converter
[NASA-CASE-KSC-10326] c 08 N72-21197

PEELING

- Wire stripper
[NASA-CASE-FRC-10111-1] c 37 N79-10419

PELLETS

- Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Contactless pellet fabrication --- targets for inertial confinement fusion
[NASA-CASE-NPO-15592-1] c 31 N83-17746

PELTIER EFFECTS

- Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146

PENETRANTS

Dye penetrant for surfaces subsequently contacted by liquid oxygen Patent
[NASA-CASE-XMF-02221] c 18 N71-27170

PENETRATION

Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879
Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

PENETROMETERS

Lunar penetrometer Patent
[NASA-CASE-XLA-00934] c 14 N71-22765
Self-recording portable soil penetrometer
[NASA-CASE-MFS-20774] c 14 N73-19420
Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321
Penetrometer --- for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443

PERCEPTION

Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122

PERFLUORO COMPOUNDS

Hydroxy terminated perfluoro ethers Patent
[NASA-CASE-NPO-10768] c 06 N71-27254
Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121
Reaction of fluonine with polyperfluoropolyenes
[NASA-CASE-NPO-10862] c 06 N72-22107
Silphenylenesiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
Polymers of perfluorobutadiene and method of manufacture
[NASA-CASE-NPO-10863-2] c 06 N72-25152
Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144
Polymerizable disilanols having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
Perfluoro alkylene dioxy-bis-(4-phthalic anhydrides and oxy-bis-(perfluoroalkyleneoxyphthalic anhydrides
[NASA-CASE-MFS-22356-1] c 23 N75-30256
Preparation of perfluorinated imidoylamidoximes --- for eventual preparation of heat and chemical resistant polymers
[NASA-CASE-ARC-11267-1] c 23 N80-26386
Improved process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
High performance channel injection sealant invention abstract
[NASA-CASE-ARC-14408-1] c 27 N82-33523
Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603

PERFLUOROALKANE

Preparation of heterocyclic block copolymer omega-diamidoximes
[NASA-CASE-ARC-11060-1] c 27 N79-22300

PERFORATED PLATES

Process for glass coating an ion accelerator grid Patent
[NASA-CASE-LEW-10278-1] c 15 N71-28582

PERFORATED SHELLS

Method of fabricating an article with cavities --- with thin bottom walls
[NASA-CASE-LAR-10318-1] c 31 N74-18089

PERFORMANCE PREDICTION

Failure detection and control means for improved drift performance of a gimbalized platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175

PERFORMANCE TESTS

Frangible electrochemical cell
[NASA-CASE-XGS-10010] c 03 N72-15986
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959

PERIODIC VARIATIONS

Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401

PERMEABILITY

Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567

System for detecting substructure microfractures and method therefore

[NASA-CASE-NPO-14192-1] c 39 N80-10507
Dialysis system --- using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687
Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906

PEROXIDES

Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252

PERSPIRATION

Method of making a perspiration resistant biopotential electrode
[NASA-CASE-MSC-90153-2] c 05 N72-25120
Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

PERTURBATION

Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597

PERTURBATION THEORY

Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783

PHASE COHERENCE

Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523

PHASE CONTROL

Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577
Wideband VCO with high phase stability Patent
[NASA-CASE-XLA-03893] c 10 N71-27271
Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Digital numerically controlled oscillator
[NASA-CASE-MSC-16747-1] c 33 N81-17349
Systems for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N82-11861
Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345

PHASE DEMODULATORS

Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

PHASE DETECTORS

Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272
Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596
Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
Low distortion automatic phase control circuit --- voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
Correlation type phase detector --- with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
Impact position detector for outer space particles
[NASA-CASE-GSC-11829-1] c 35 N75-27331
Frequency discriminator and phase detector circuit
[NASA-CASE-NPO-11515-1] c 33 N77-13315
Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
Receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N81-16338
High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N81-31482
Phase sensitive guidance sensor for wire-following vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N83-17804

PHASE DEVIATION

System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927

PHASE LOCK DEMODULATORS

Compensating bandwidth switching transients in an amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859

PHASE LOCKED SYSTEMS

Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Automatic frequency discriminators and control for a phase-lock loop providing frequency preset capabilities Patent
[NASA-CASE-XMF-08665] c 10 N71-19467
Burst synchronization detection system Patent
[NASA-CASE-XMS-05605-1] c 10 N71-19468
Phase demodulation system with two phase locked loops Patent
[NASA-CASE-XNP-00777] c 10 N71-19469
Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
Data-aided carrier tracking loops
[NASA-CASE-NPO-11282] c 10 N73-16205
Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
Low speed phase lock speed control system --- for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758
Digital phase-locked loop
[NASA-CASE-GSC-11623-1] c 33 N75-25040
Telemetry synchronizer
[NASA-CASE-GSC-11868-1] c 17 N76-22245
Frequency translating phase conjugation circuit for active retrodirective antenna array --- microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539
Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626

PHASE MODULATION
Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763
Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986
Phase locked phase modulator including a voltage controlled oscillator Patent
[NASA-CASE-XNP-05382] c 10 N71-23544
Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142
Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981
Phase modulating with odd and even finite power series of a modulating signal
[NASA-CASE-LAR-11607-1] c 32 N77-14292
Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319
Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338
Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179

- Receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N81-16338
- Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14841-1] c 32 N81-29308
- Doppler radar having phase modulation of both transmitted and reflected return signals — ranging
[NASA-CASE-MSC-18675-1] c 32 N81-29312
- Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N82-26636
- Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N83-20757
- PHASE SHIFT**
- Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392
- Electromagnetic polarization systems and methods Patent
[NASA-CASE-GSC-10021-1] c 09 N71-24595
- Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208
- Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
- Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
- Control system for an induction motor with energy recovery
[NASA-CASE-MFS-25477-1] c 33 N82-22437
- PHASE SHIFT CIRCUITS**
- Gyrator type circuit Patent
[NASA-CASE-XAC-10608-1] c 09 N71-12517
- Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172
- Continuously variable voltage controlled phase shifter
[NASA-CASE-NPO-11129] c 09 N72-33204
- Induction motor control system with voltage controlled oscillator circuit
[NASA-CASE-MFS-21465-1] c 10 N73-32145
- Low distortion automatic phase control circuit — voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885
- Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179
- Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029
- PHASE SHIFT KEYING**
- Decision feedback loop for tracking a polyphase modulated carrier
[NASA-CASE-NPO-13103-1] c 32 N74-20811
- Differential phase shift keyed communication system
[NASA-CASE-MSC-14065-1] c 32 N74-26654
- Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
- Unbalanced quadrature demodulator
[NASA-CASE-MSC-14840-1] c 32 N77-24331
- Method and apparatus for quadrature phase-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
- Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570
- PHASE SWITCHING INTERFEROMETERS**
- Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
- PHASE TRANSFORMATIONS**
- Slug flow magnetohydrodynamic generator
[NASA-CASE-XLE-02083] c 03 N69-39983
- Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
- PHASE VELOCITY**
- Ultrasonic calibration device — for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432
- PHASED ARRAYS**
- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264
- Phase conjugation method and apparatus for an active retrodirective antenna array
[NASA-CASE-NPO-13641-1] c 32 N79-24210
- Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
- Multiple-beam, high-power, precision pointing antenna system
[NASA-CASE-NPO-15408-1] c 33 N82-12345
- Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558
- Method and apparatus for self-calibration and phasing of array antenna
[NASA-CASE-NPO-15920-1] c 32 N82-33593
- Electronic con scanning spacecraft communication system
[NASA-CASE-NPO-15899-1] c 32 N83-19970
- PHASED LOCKED SYSTEMS**
- Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140
- Digital second-order phase-locked loop
[NASA-CASE-NPO-11905-1] c 33 N74-12887
- Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334
- Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238
- PHENANTHRENE**
- Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 28 N82-26481
- PHENOLIC RESINS**
- Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
- PHENOLS**
- Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
- Method and device for the detection of phenol and related compounds — in an electrochemical cell
[NASA-CASE-LEW-12513-1] c 25 N79-22235
- PHENYLS**
- The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312
- PHONOCARDIOGRAPHY**
- Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
- Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234
- PHOSPHATES**
- Thermal control coating Patent
[NASA-CASE-XLA-01995] c 18 N71-23047
- Chalcogenophosphate photoelectrodes
[NASA-CASE-LAR-12958-1] c 44 N83-18025
- PHOSPHAZENE**
- Process for the preparation of polycarbonylphosphazenes — thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Carboranylclotriphosphazenes and their polymers — thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- PHOSPHINES**
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
- Compound oxidized styrylphosphine — flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N81-31364
- PHOSPHONITRILES**
- Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- PHOSPHORS**
- High contrast cathode ray tube
[NASA-CASE-ERC-10468] c 09 N72-20206
- Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947
- PHOSPHORUS**
- Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276
- PHOSPHORUS COMPOUNDS**
- Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
- PHOSPHORUS POLYMERS**
- Process for the preparation of polycarbonylphosphazenes — thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
- Carboranylclotriphosphazenes and their polymers — thermal insulation
[NASA-CASE-ARC-11176-1] c 27 N82-18389
- PHOTOABSORPTION**
- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- PHOTOCATHODES**
- Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- III-V photocathode with nitrogen doping for increased quantum efficiency
[NASA-CASE-NPO-12134-1] c 33 N76-31409
- PHOTOCHEMICAL REACTIONS**
- Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255
- Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- Violet process for producing flame resistant polyamides and products produced thereby — protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
- PHOTOCONDUCTIVE CELLS**
- Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751
- Plural output optometric sample cell and analysis system
[NASA-CASE-NPO-10233-1] c 74 N78-33913
- Photocapacitive image converter
[NASA-CASE-LAR-12513-1] c 44 N82-32841
- PHOTOCONDUCTIVITY**
- Photoetching of metal-oxide layers
[NASA-CASE-ERC-10108] c 06 N72-21094
- PHOTOCONDUCTORS**
- Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
- High voltage V-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N82-24717
- PHOTODIODES**
- Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
- PHOTODISSOCIATION**
- Apparatus for extraction and separation of a preferentially photo-dissociated molecular isotope into positive and negative ions by means of an electric field
[NASA-CASE-LEW-12465-1] c 25 N78-25148
- PHOTOELECTRIC CELLS**
- Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
- Method of and device for determining the characteristics and flux distribution of micrometeorites — scanning puncture holes in sheet material with photoelectric cell
[NASA-CASE-NPO-12127-1] c 91 N74-13130
- Noncontacting method for measuring angular deflection
[NASA-CASE-LAR-12178-1] c 74 N80-21138
- Photoelectric detection system — manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545
- Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092
- PHOTOELECTRIC EFFECT**
- Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- PHOTOELECTRIC EMISSION**
- High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- PHOTOELECTRIC MATERIALS**
- Light radiation direction indicator with a baffle of two parallel grids
[NASA-CASE-XNP-03930] c 14 N69-24331
- Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
- PHOTOELECTROCHEMICAL DEVICES**
- Method for determining the point of zero zeta potential of semiconductor materials
[NASA-CASE-LAR-12893-1] c 33 N82-26573
- PHOTOELECTRON SPECTROSCOPY**
- Photoelectron spectrometer with means for stabilizing sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429
- High resolution threshold photoelectron spectroscopy by electron attachment
[NASA-CASE-NPO-14078-1] c 72 N80-14877
- Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659
- PHOTOGRAPHIC EMULSIONS**
- Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
- Method for retarding dye fading during archival storage of developed color photographic film — inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432
- PHOTOGRAPHIC EQUIPMENT**
- Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
- Method of treating the surface of a glass member
[NASA-CASE-GSC-12110-1] c 27 N77-32308
- System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886

PHOTOGRAPHIC FILM

- Film feed camera having a detent means Patent
[NASA-CASE-LAR-10686] c 14 N71-28935
- Exposure interlock for oscilloscope cameras
[NASA-CASE-LAR-10319-1] c 14 N73-32322
- Optical noise suppression device and method — laser light exposing film
[NASA-CASE-MS-C-12640-1] c 74 N76-31998
- Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
- Method for retarding dye fading during archival storage of developed color photographic film — inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432

PHOTOGRAPHIC MEASUREMENT

- Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645
- Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282
- TV fatigue crack monitoring system
[NASA-CASE-LAR-11490-1] c 39 N78-16387

PHOTOGRAPHIC PROCESSING

- Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
- Method of obtaining intensified image from developed photographic films and plates
[NASA-CASE-MFS-23461-1] c 35 N79-10389

PHOTOGRAPHIC PROCESSING EQUIPMENT

- Drying apparatus for photographic sheet material
[NASA-CASE-GSC-11074-1] c 14 N73-28489

PHOTOGRAPHIC RECORDING

- Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
- Focused image holography with extended sources Patent
[NASA-CASE-ERC-10019] c 16 N71-15551
- Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567
- Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154
- Multiple image storing system for high speed projectile holography
[NASA-CASE-MFS-20596] c 14 N72-17324
- Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
- Method for determining thermo-physical properties of specimens — photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551

PHOTOGRAPHY

- System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
- X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882

PHOTOIONIZATION

- A multichannel photoionization chamber for absorption analysis Patent
[NASA-CASE-ERC-10044-1] c 14 N71-27090

PHOTOLYSIS

- Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580
- Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470

PHOTOMAPPING

- Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899

PHOTOMASKS

- Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209

PHOTOMECHANICAL EFFECT

- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400

PHOTOMETERS

- Interferometer direction sensor Patent
[NASA-CASE-NPO-10320] c 14 N71-17655
- Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407
- Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821
- Fluid flow meter with comparator reference means Patent
[NASA-CASE-XGS-01331] c 14 N71-22996
- Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409

- Infrared detectors
[NASA-CASE-LAR-10728-1] c 14 N73-12445
- Chromato-fluorographic drug detector — device for detecting and recording fluorescent properties of materials
[NASA-CASE-ARC-10633-1] c 25 N74-26947
- The 2 deg/90 deg laboratory scattering photometer — particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
- Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421

PHOTOMICROGRAPHY

- Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380
- Hand-held photomicroscope
[NASA-CASE-ARC-10468-1] c 14 N73-33361

PHOTOMULTIPLIER TUBES

- Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
- Electronic divider and multiplier using photocells Patent
[NASA-CASE-XFR-05637] c 09 N71-19480
- Coincidence apparatus for detecting particles
[NASA-CASE-XLA-07813] c 14 N72-17328
- Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
- Light direction sensor
[NASA-CASE-NPO-11201] c 14 N72-27409
- Photomultiplier circuit including means for rapidly reducing the sensitivity thereof — and protection from radiation damage
[NASA-CASE-ARC-10593-1] c 33 N74-27682

PHOTON BEAMS

- Apparatus for photon excited catalysis
[NASA-CASE-NPO-13566-1] c 25 N77-32255

PHOTON-ELECTRON INTERACTION

- Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953

PHOTONS

- Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527
- Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953

PHOTOSENSITIVITY

- Photosensitive device to detect bearing deviation Patent
[NASA-CASE-XNP-00438] c 21 N70-35089
- Solar optical telescope dome control system Patent
[NASA-CASE-MSC-10966] c 14 N71-19568
- Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT
[NASA-CASE-LAR-10320-1] c 09 N72-23172
- Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
- Apparatus for calibrating an image dissector tube
[NASA-CASE-MFS-22208-1] c 33 N75-26244

PHOTOTRANSISTORS

- Phototransistor imaging system
[NASA-CASE-MFS-20809] c 23 N73-13860
- Phototransistor
[NASA-CASE-MFS-20407] c 09 N73-19235

PHOTOTROPISM

- Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443

PHOTOVISCOELASTICITY

- Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645

PHOTOVOLTAIC CELLS

- Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-XNP-04180] c 07 N69-39736
- Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158
- Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
- Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090
- Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635
- Solar cells having integral collector gnds
[NASA-CASE-LEW-12819-1] c 44 N79-11467
- Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482
- Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475
- Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752

Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550

Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558

Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777

Process and apparatus for growing a crystal ribbon — for use in photovoltaic cells
[NASA-CASE-NPO-15629-1] c 44 N82-26779

Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709

High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764

Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692

Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311

Method of making macrocrystalline or single crystal semiconductive material and products produced thereby — epitaxial substrates using low melting materials for photovoltaic cells
[NASA-CASE-NPO-15904-1] c 76 N83-21993

System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MSC-12259-1] c 07 N70-12616

Use of thin film light detector
[NASA-CASE-NPO-11432-2] c 35 N74-15090

PHTHALOCYANINE
Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N83-12239

Phthalocyanine polymers
[NASA-CASE-ARC-11413-1] c 27 N83-14275

PHYSICAL EXERCISE
Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377

Tilting table for ergometer and for other biomedical devices
[NASA-CASE-MFS-21010-1] c 05 N73-30078

Manual actuator — for spacecraft exercising machines
[NASA-CASE-MFS-21481-1] c 37 N74-18127

Therapeutic hand exerciser
[NASA-CASE-LAR-11667-1] c 52 N76-19785

PHYSICAL PROPERTIES
Polyurethanes of fluorene containing polycarbonates
[NASA-CASE-MFS-10512] c 06 N73-30089

System for monitoring physical characteristics of fluids — acoustic techniques
[NASA-CASE-NPO-15400-1] c 34 N81-24384

PHYSIOLOGICAL EFFECTS
Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119

PHYSIOLOGICAL TESTS
Vibrophonocardiograph Patent
[NASA-CASE-XFR-07172] c 05 N71-27234

Medical subject monitoring systems — multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757

PHYSIOLOGY
Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993

Method of detecting and counting bacteria
[NASA-CASE-GSC-11917-2] c 51 N76-29891

PIERCING
Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00936] c 14 N71-14996

PIEZOELECTRIC CRYSTALS
Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091

Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20882

CDS solid state phase insensitive ultrasonic transducer — annealing cadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559

PIEZOELECTRIC TRANSDUCERS
Force transducer Patent
[NASA-CASE-XAC-01101] c 14 N70-41957

Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701

Phonocardiograph transducer Patent
[NASA-CASE-XMS-05365] c 14 N71-22993

Semiconductor transducer device
[NASA-CASE-ERC-10087-2] c 14 N72-31446

Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19672-1] c 38 N79-14398

PIEZOELECTRICITY
Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930

Piezoelectric pump Patent
[NASA-CASE-XNP-05429] c 26 N71-21824

- Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Piezoelectric composite materials
[NASA-CASE-LEW-12582-1] c 24 N82-31450

PIEZORESISTIVE TRANSDUCERS

- Miniature stress transducer Patent
[NASA-CASE-XLR-09123] c 14 N71-21091
Transverse piezoresistance and pinch effect
electromechanical transducers Patent
[NASA-CASE-ERC-10088] c 26 N71-25490

PIGMENTS

- Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772

PILOT TRAINING

- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
Kinesthetic control simulator — for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662

PILOTS (PERSONNEL)

- System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483

PINCH EFFECT

- Toggle mechanism for pinching metal tubes
[NASA-CASE-GSC-12274-1] c 37 N79-28550

PINS

- Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385

PINTLES

- Metal valve pintle with encapsulated elastomeric body
Patent
[NASA-CASE-MSC-12116-1] c 15 N71-17648

PIPE FLOW

- Flat-plate heat pipe
[NASA-CASE-GSC-11998-1] c 34 N77-32413

PIPELINES

- Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937

PIPELINING (COMPUTERS)

- A pipelined digital SAR azimuth correlator using hybrid
FFT/transversal-filter
[NASA-CASE-NPO-15519-1] c 32 N82-12298

PIPES (TUBES)

- Device for determining the accuracy of the flare on a
flared tube
[NASA-CASE-XKS-03495] c 14 N69-39785
Piping arrangement through a double chamber
structure
[NASA-CASE-XNP-08982] c 15 N69-39935
Foldable conduit Patent
[NASA-CASE-XLE-00620] c 32 N70-41579
Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
Method and apparatus for precision sizing and joining
of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650
Sealed separable connection Patent
[NASA-CASE-NPO-10064] c 15 N71-17693
Electrical switching device Patent
[NASA-CASE-NPO-10037] c 09 N71-19610
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694
Spin forming tubular elbows Patent
[NASA-CASE-XMF-01083] c 15 N71-22723
Portable milling tool Patent
[NASA-CASE-XMF-03511] c 15 N71-22799
Internal flare angle gauge Patent
[NASA-CASE-XMF-04415] c 14 N71-24693
Method and apparatus for precision sizing and joining
of large diameter tubes Patent
[NASA-CASE-XMF-05114-3] c 15 N71-24865
Weld preparation machine Patent
[NASA-CASE-XKS-07953] c 15 N71-26134
Method and apparatus for precision sizing and joining
of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
Collapsible antenna boom and transmission line
Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445
Open type unne receptacle
[NASA-CASE-MSC-12324-1] c 05 N72-22093
Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287

Honeycomb panels formed of minimal surface periodic
tubule layers

- [NASA-CASE-ERC-10364] c 18 N72-25540

Honeycomb core structures of minimal surface tubule
sections

- [NASA-CASE-ERC-10363] c 18 N72-25541

Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

Cable restraint
[NASA-CASE-LAR-10129-1] c 15 N73-25512

Method of fabricating a twisted composite
superconductor

- [NASA-CASE-LEW-11015] c 26 N73-32571

Open tube guideway for high speed air cushioned
vehicles

- [NASA-CASE-LAR-10256-1] c 85 N74-34672

Method for fabricating a mass spectrometer inlet leak
[NASA-CASE-GSC-12077-1] c 35 N77-24455

Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N82-20545

Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

Open ended tubing cutters
[NASA-CASE-MSC-18538-1] c 37 N82-26672

PISTON ENGINES

Stirling cycle engine and refrigeration systems

- [NASA-CASE-NPO-13613-1] c 37 N76-29590

Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640

PISTONS

Automatic pump Patent
[NASA-CASE-XNP-04731] c 15 N71-24042

Firefly pump-metering system
[NASA-CASE-GSC-10218-1] c 15 N72-21465

Collapsible pistons
[NASA-CASE-MSC-13789-1] c 11 N73-32152

Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646

Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-1] c 37 N79-23431

Free-piston regenerative hot gas hydraulic engine
[NASA-CASE-LEW-12274-1] c 37 N80-31790

Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318

Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360

Stirling cycle cryogenic cooler — magnetically
suspended pistons
[NASA-CASE-GSC-12697-1] c 31 N82-11312

Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693

Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153

PITCH (INCLINATION)

Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059

Velocity vector control system augmented with direct
lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106

Pitch attitude stabilization system utilizing engine
pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152

PIVOTS

Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878

Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359

Thumb actuated two axis controller
[NASA-CASE-ARC-11372-1] c 08 N83-12098

PLANAR STRUCTURES

Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899

Method and apparatus for preparing multiconductor
cable with flat conductors
[NASA-CASE-MFS-10946-1] c 31 N79-21226

High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764

PLANE WAVES

Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130

PLANETARY ATMOSPHERES

Method of planetary atmosphere investigation using a
split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990

Flow field simulation Patent
[NASA-CASE-LAR-11138] c 12 N71-20436

Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991

PLANETARY GRAVITATION

Impact simulator Patent
[NASA-CASE-XLA-00493] c 11 N70-34786

Means for visually indicating flight paths of vehicles
between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394

PLANETARY LANDING

Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804

Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

PLANETARY ORBITS

Flexible foam erectable space structures Patent
[NASA-CASE-XLA-00686] c 31 N70-34135

Erectable modular space station Patent
[NASA-CASE-XLA-00678] c 31 N70-34296

PLANETARY RADIATION

Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880

PLANETARY SURFACES

Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118

PLANT ROOTS

Method for treating wastewater using microorganisms
and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335

PLANTS (BOTANY)

Rotary plant growth accelerating apparatus —
weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503

Molten salt pyrolysis of latex — synthetic hydrocarbon
fuel production using the Guayule shrub
[NASA-CASE-NPO-14315-1] c 27 N81-17261

Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

PLASMA ACCELERATION

Apparatus for increasing ion engine beam density
Patent
[NASA-CASE-XLE-00519] c 28 N70-41576

Coaxial high density, hypervelocity plasma generator and
accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688

PLASMA ACCELERATORS

Plasma accelerator Patent
[NASA-CASE-XLA-00675] c 25 N70-33267

Continuously operating induction plasma accelerator
Patent
[NASA-CASE-XLA-01354] c 25 N70-36946

Crossed-field MHD plasma generator/accelerator
Patent
[NASA-CASE-XLA-03374] c 25 N71-15562

Self-repeating plasma generator having communicating
annular and linear arc discharge passages Patent
[NASA-CASE-XLA-03103] c 25 N71-21693

Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184

Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N76-14931

PLASMA CONTROL

Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710

Self-energized plasma compressor — for compressing
plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625

PLASMA CYLINDERS

Plasma fluidic hybrid display Patent
[NASA-CASE-ERC-10100] c 09 N71-33519

PLASMA DENSITY

Focussing system for an ion source having apertured
electrodes Patent
[NASA-CASE-XNP-03332] c 09 N71-10618

Measurement of plasma temperature and density using
radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

PLASMA DIAGNOSTICS

Probes having ring and primary sensor at same potential
to prevent collection of stray wall currents in ionized
gases
[NASA-CASE-XLE-00690] c 25 N69-39884

Apparatus for measuring conductivity and velocity of
plasma utilizing a plurality of sensing coils positioned in
the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073

Measurement of plasma temperature and density using
radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

PLASMA DYNAMICS

Apparatus for measuring conductivity and velocity of
plasma utilizing a plurality of sensing coils positioned in
the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073

Self-energized plasma compressor — for compressing
plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625

PLASMA ENGINES

Plasma device feed system Patent
[NASA-CASE-XLE-02902] c 25 N71-21694

PLASMA GENERATORS

Method and apparatus for producing a plasma Patent
[NASA-CASE-XLA-00147] c 25 N70-34661

Crossed-field MHD plasma generator/ accelerator Patent
[NASA-CASE-XLA-03374] c 25 N71-15562

Coaxial high density, hypervelocity plasma generator and accelerator with ionizable metal disc
[NASA-CASE-MFS-20589] c 25 N72-32688

Self-energized plasma compressor --- for compressing plasma discharged from coaxial plasma generator
[NASA-CASE-MFS-22145-1] c 75 N75-13625

Self-energized plasma compressor
[NASA-CASE-MFS-22145-2] c 75 N76-17951

Continuous plasma laser --- method and apparatus for producing intense, coherent, monochromatic light from low temperature plasma
[NASA-CASE-XNP-04167-3] c 36 N77-19416

Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903

PLASMA GUNS
Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610

PLASMA JETS
Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087

Combination automatic-starting electrical plasma torch and gas shutoff valve --- for satellite attitude control
[NASA-CASE-XLE-10717] c 37 N75-29426

Plasma cleaning device --- designed for high vacuum environments
[NASA-CASE-MFS-22908-1] c 75 N78-27913

PLASMA LAYERS
Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331

Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372

Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284

PLASMA LOSS
Improved thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N81-19561

PLASMA POTENTIALS
Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429

PLASMA PROBES
Probes having ring and primary sensor at same potential to prevent collection of stray wall currents in ionized gases
[NASA-CASE-XLE-00690] c 25 N69-39884

Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747

PLASMA PROPULSION
Method of making dished ion thruster grids
[NASA-CASE-LEW-11694-1] c 20 N75-18310

PLASMA RADIATION
Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563

Continuous plasma light source
[NASA-CASE-XNP-04167-2] c 25 N72-24753

PLASMA SHEATHS
Apparatus for measuring electric field strength on the surface of a model vehicle Patent
[NASA-CASE-XLE-02038] c 09 N71-16086

Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent
[NASA-CASE-XLA-06232] c 25 N71-20563

PLASMA SPRAYING
Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453

PLASMA TEMPERATURE
Measurement of plasma temperature and density using radiation absorption
[NASA-CASE-ARC-10598-1] c 75 N74-30156

PLASMA-ELECTROMAGNETIC INTERACTION
Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405

PLASMAS (PHYSICS)
Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073

PLASTIC COATINGS

Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895

Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405

Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580

Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052

Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

PLASTIC DEFORMATION
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740

Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170

PLASTIC TAPES
Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472

PLASTICIZERS
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530

Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229

Method of bonding plasticized elastomer to metal and articles produced thereby
[NASA-CASE-MFS-25181-1] c 27 N82-24340

Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

PLASTICS
Method for forming plastic materials Patent
[NASA-CASE-XMS-05516] c 15 N71-17803

Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713

Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022

Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721

Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117

Molding apparatus --- for thermosetting plastic compositions
[NASA-CASE-LAR-10489-2] c 31 N74-32920

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

PLATENS
Compression test apparatus
[NASA-CASE-MSC-18723-1] c 35 N83-21312

PLATES (STRUCTURAL MEMBERS)
Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362

Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477

Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416

Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653

PLATING
Selective plating of etched circuits without removing previous plating Patent
[NASA-CASE-XGS-03120] c 15 N71-24047

Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360

Scanning nozzle plating system --- for etching or plating metals on substrates without masking
[NASA-CASE-NPO-11758-1] c 31 N74-23065

Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494

PLATINUM
Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252

Platinum resistance thermometer circuit
[NASA-CASE-MSC-12327-1] c 35 N77-27368

PLATINUM ALLOYS
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 31 N83-19949

PLAYBACKS
Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246

PLENUM CHAMBERS
Air cushion lift pad Patent
[NASA-CASE-MFS-14685] c 31 N71-15689

Gas filter mounting structure
[NASA-CASE-MSC-12297] c 14 N72-23457

Micro-fluid exchange coupling apparatus
[NASA-CASE-ARC-11114-1] c 51 N81-14605

POINTING CONTROL SYSTEMS**PLETHYSMOGRAPHY**

Readout electrode assembly for measuring biological impedance
[NASA-CASE-ARC-10816-1] c 35 N76-24525

Apparatus for determining changes in limb volume
[NASA-CASE-MSC-18759-1] c 52 N81-24716

PLOTTERS
Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246

Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

PLOTTING
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

PLUG NOZZLES
Cascade plug nozzle --- for jet noise reduction
[NASA-CASE-LAR-11674-1] c 07 N76-18117

Apparatus and method for jet noise suppression
[NASA-CASE-LAR-11803-2] c 34 N82-20465

PLUGS
Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503

Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505

Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661

Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766

High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494

PNEUMATIC CONTROL
Pneumatic system for controlling and actuating pneumatic cyclic devices
[NASA-CASE-XMS-04843] c 03 N69-21469

Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321

Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409

Quick release hook tape Patent
[NASA-CASE-XMS-10660-1] c 15 N71-25975

Foot pedal operated fluid type exercising device
[NASA-CASE-MSC-11561-1] c 05 N73-32014

Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465

PNEUMATIC EQUIPMENT
High pressure air valve Patent
[NASA-CASE-MSC-11010] c 15 N71-19485

Inflatable support structure Patent
[NASA-CASE-XLA-01731] c 32 N71-21045

Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent
[NASA-CASE-XMS-01905] c 12 N71-21089

Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227

Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147

Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006

Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136

Pneumatic load compensating or controlling system
[NASA-CASE-ARC-10907-1] c 37 N75-32465

Improved tire/wheel concept --- pneumatic aircraft tire
[NASA-CASE-LAR-11695-2] c 37 N80-18402

System for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N81-26697

Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473

Apparatus and method for improving the fuel efficiency of a gas turbine engine
[NASA-CASE-LEW-13142-1] c 07 N83-14130

Gas-to-hydraulic power converter
[NASA-CASE-MSC-18794-1] c 44 N83-14693

POINT SOURCES
Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980

X-ray reflection collimator adapted to focus X-radiation directly on a detector Patent
[NASA-CASE-XHQ-04106] c 14 N70-40240

Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

POINTING CONTROL SYSTEMS
Rotable accurate reflector system for telescopes Patent
[NASA-CASE-NPO-10468] c 23 N71-33229

All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399

Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424

- Magnetic suspension and pointing system --- on a carrier vehicle
[NASA-CASE-LAR-11889-1] c 35 N79-26372
- Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520
- POLAR ORBITS**
Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676
- POLARIMETERS**
Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101
Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446
- POLARITY**
Positive dc to negative dc converter Patent
[NASA-CASE-XMF-08217] c 03 N71-23239
Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862
Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
- POLARIZATION (WAVES)**
System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982
Multifrequency broadband polarized horn antenna
[NASA-CASE-NPO-14588-1] c 32 N81-25278
Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381
- POLARIZED ELECTROMAGNETIC RADIATION**
Antenna beam-shaping apparatus Patent
[NASA-CASE-XNP-00611] c 09 N70-35219
Parabolic reflector horn feed with spillover correction Patent
[NASA-CASE-XNP-00540] c 09 N70-35382
Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261
Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
- POLARIZED LIGHT**
Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716
- POLARIZED RADIATION**
Microwave limb sounder --- measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685
- POLARIZERS**
Partial polarizer filter
[NASA-CASE-GSC-12225-1] c 74 N79-14891
- POLISHING**
Conforming polisher for aspheric surface of revolution Patent
[NASA-CASE-XGS-02884] c 15 N71-22705
Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149
- POLLUTION CONTROL**
System for minimizing internal combustion engine pollution emission
[NASA-CASE-NPO-13402-1] c 37 N76-18457
Combustion engine --- for air pollution control
[NASA-CASE-NPO-13671-1] c 37 N77-31497
Heat pipes to reduce engine exhaust emissions
[NASA-CASE-LEW-12590-1] c 25 N81-19245
Supercritical fuel injection system
[NASA-CASE-LEW-12990-1] c 07 N81-29129
- POLLUTION MONITORING**
Fluorescence detector for monitoring atmospheric pollutants
[NASA-CASE-NPO-13231-1] c 45 N75-27585
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Indicator providing continuous indication of the presence of a specific pollutant in air
[NASA-CASE-NPO-13474-1] c 45 N76-21742
Method for detecting pollutants --- through chemical reactions and heat treatment
[NASA-CASE-LAR-11405-1] c 45 N76-31714
Automated syringe sampler --- remote sampling of air and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407
- POLYAMIDE RESINS**
Ultra-violet process for producing flame resistant polyamides and products produced thereby --- protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446
Thermoset-thermoplastic aromatic polyamides
[NASA-CASE-LAR-12723-1] c 27 N81-15107
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-1] c 54 N82-32985
Heat resistant protective hand covering
[NASA-CASE-MSC-20261-2] c 54 N82-32986
- POLYBENZIMIDAZOLE**
Polymeric foams from cross-linkable poly-n-arylenebenzimidazoles
[NASA-CASE-ARC-11008-1] c 27 N78-31232
- POLYBUTADIENE**
New polymers of perfluorobutadiene and method of manufacture Patent application
[NASA-CASE-NPO-10863] c 06 N70-11251
Method of polymerizing perfluorobutadiene Patent application
[NASA-CASE-NPO-10447] c 06 N70-11252
Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228
- POLYCARBONATES**
Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
- POLYCRYSTALS**
Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635
Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609
Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910
- POLYESTERS**
Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
Apparatus for forming drive belts
[NASA-CASE-NPO-13205-1] c 31 N74-32917
- POLYETHER RESINS**
Polyurethanes from fluoroalkyl propyleneglycol polyethers
[NASA-CASE-MFS-10506] c 06 N73-30100
Fluorohydroxy ethers
[NASA-CASE-MFS-10507] c 06 N73-30101
Highly fluorinated polymers
[NASA-CASE-MFS-11492] c 06 N73-30102
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
- POLYIMIDE RESINS**
Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
Low density bismaleimide-carbon microballoon composites --- aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184
Mixed diamines for lower melting addition polyimide preparation and utilization
[NASA-CASE-LAR-12054-1] c 27 N79-33316
Process for preparing high temperature polyimide film laminates
[NASA-CASE-LAR-12742-1] c 24 N81-12174
Composition and method for making polyimide resin-reinforced fabric
[NASA-CASE-LEW-12933-1] c 27 N81-19296
Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229
Chemical approach for controlling nadamide cure temperature and rate
[NASA-CASE-LEW-13770-1] c 27 N83-13258
Elastomer-modified phosphorus-containing imide resins
[NASA-CASE-ARC-11400-1] c 27 N83-14276
Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715
- POLYIMIDES**
Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids
[NASA-CASE-LEW-11325-1] c 06 N73-27980
Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812
Reinforced structural plastics
[NASA-CASE-LEW-10199-1] c 27 N74-23125
Polyimides of ether-linked aryl tetracarboxylic dianhydrides
[NASA-CASE-MFS-22355-1] c 23 N76-15268
Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
Ambient cure polyimide foams --- thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215
Catalysts for polyimide foams from aromatic isocyanates and aromatic dianhydrides --- flame retardant foams
[NASA-CASE-ARC-11107-1] c 25 N80-16116
- Crystalline polyimides --- reinforcing fibers for high temperature composites and adhesives as well as flame retardation
[NASA-CASE-LAR-12099-1] c 27 N80-16158
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-1] c 27 N80-26447
Method for preparing addition type polyimide prepreps
[NASA-CASE-LAR-12054-2] c 27 N81-14078
Asymmetric polyimide separation membrane and method
[NASA-CASE-NPO-15431-1] c 25 N81-29178
Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N82-25384
Electrically conductive palladium containing polyimide films
[NASA-CASE-LAR-12705-1] c 25 N82-26396
A solvent resistant, thermoplastic aromatic polyimidesulfone and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-13259
- POLYISOBUTYLENE**
Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
- POLYISOPRENES**
Enhancement of in vitro guayule propagation
[NASA-CASE-LEW-12531-1] c 51 N83-17045
- POLYMER CHEMISTRY**
Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
Apparatus for testing polymers materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607
Polyimide adhesives
[NASA-CASE-LAR-11397-1] c 27 N75-29263
Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
Polyimide adhesives
[NASA-CASE-LAR-12181-1] c 27 N78-17205
Infusible silazane polymer and process for producing same --- protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190
Fluorine-containing polyformals
[NASA-CASE-XMF-06900-1] c 27 N79-21191
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
Bifunctional monomers having terminal oxime and cyano or amidine groups
[NASA-CASE-ARC-11253-3] c 27 N81-24256
In-situ cross linking of polyvinyl alcohol --- application to battery separator films
[NASA-CASE-LEW-13135-2] c 27 N81-24257
Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258
Process for the preparation of polycarbonylphosphazenes --- thermal insulation
[NASA-CASE-ARC-11176-2] c 27 N81-27271
Phosphorus-containing bisimide resins
[NASA-CASE-ARC-11321-1] c 27 N81-27272
Preparation of crosslinked 1,2,4-oxadiazole polymer
[NASA-CASE-ARC-11253-2] c 27 N82-24338
Improved process for preparing perfluorotriazine elastomers and precursors thereof
[NASA-CASE-ARC-11402-1] c 27 N82-26462
Preparation of perfluorinated 1,2,4-oxadiazoles
[NASA-CASE-ARC-11267-2] c 23 N82-28353
Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590
Polyphenylene ethers with imide linking groups
[NASA-CASE-LAR-12980-1] c 27 N83-21143
- POLYMER MATRIX COMPOSITES**
Intumescent-ablative coatings using endothermic fillers
[NASA-CASE-ARC-11043-1] c 24 N78-27180
- POLYMERIC FILMS**
Processing for producing a stenized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
Hydraulic casting of liquid polymers Patent
[NASA-CASE-XNP-07659] c 06 N71-22975
Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
Apparatus and method for skin packaging articles
[NASA-CASE-MFS-20855] c 15 N73-27405
Covered silicon solar cells and method of manufacture --- with polymers films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214

- Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452
- Surface finishing
[NASA-CASE-MS-C-12631-3] c 27 N81-14077
- Cross-linked polyvinyl alcohol and method of making same
[NASA-CASE-LEW-13101-2] c 23 N81-29160
- Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
- Electrically conductive palladium containing polyimide films
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POWER SUPPLY CIRCUITS

- Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Microwave power receiving antenna Patent
[NASA-CASE-MFS-20333] c 09 N71-13486
Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449
Power supply Patent
[NASA-CASE-XMS-02159] c 10 N71-22961
Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892
Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606
Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225
A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
LC-oscillator with automatic stabilized amplitude via bias current control --- power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732
Integrable power gyrator --- with Z-matrix design using parallel transistors
[NASA-CASE-MFS-22342-1] c 33 N75-30428
The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428

- Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913
Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179
Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395
Tnac failure detector
[NASA-CASE-MFS-25607-1] c 33 N82-26574

PRECSSION

- Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295

PRECIPITATION (CHEMISTRY)

- Production of pure metals
[NASA-CASE-LEW-10906-1] c 25 N74-30502

PRECISION

- Precision stepping drive Patent
[NASA-CASE-MFS-14772] c 15 N71-17692
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449

PREFLIGHT OPERATIONS

- Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545

PRELAUNCH TESTS

- Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521
Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566

PREPOLYMERS

- Novel polycarboxylic prepolymer materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-1] c 27 N80-26447
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999
Elastomer toughened polyimide adhesives
[NASA-CASE-LAR-12775-1] c 27 N82-25384
Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups --- thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N82-26463
Method for forming pyrrone molding powders and products of said method
[NASA-CASE-LAR-10423-1] c 23 N82-29358
High performance filleting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490

PREPREGS

- Tackifier for addition polyimides containing monoethylphthalate
[NASA-CASE-LAR-12642-1] c 27 N81-29229

PRESSURE

- Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430

PRESSURE CHAMBERS

- Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
Whole body measurement systems --- for weightlessness simulation
[NASA-CASE-MSC-13972-1] c 52 N74-10975
Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

PRESSURE DISTRIBUTION

- Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329
Prevention of pressure build-up in electrochemical cells Patent
[NASA-CASE-XGS-01419] c 03 N70-41864
Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MSC-18134-1] c 37 N81-15383
Continuous self-locking spiral wound seal --- for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N83-12397

PRESSURE REDUCTION

PRESSURE DROP

- Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931

PRESSURE EFFECTS

- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
Evacuated, displacement compression mold --- of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111
Internally supported flexible duct joint --- device for conducting fluids in high pressure systems
[NASA-CASE-MFS-19193-1] c 37 N75-19686
Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469

PRESSURE GAGES

- Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
Apparatus for testing a pressure responsive instrument Patent
[NASA-CASE-XMF-04134] c 14 N71-23755
Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232
Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324
Gas ion laser construction for electrically isolating the pressure gauge thereof
[NASA-CASE-MFS-22597] c 36 N78-17366

PRESSURE GRADIENTS

- Positive displacement flowmeter Patent
[NASA-CASE-XMF-02822] c 14 N70-41994
Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N81-19440
Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294

PRESSURE HEADS

- Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482

PRESSURE MEASUREMENT

- Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232
Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994
Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394
Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
Indicated mean-effective pressure instrument
[NASA-CASE-LEW-12661-1] c 35 N79-14345
High-temperature microphone system --- for measuring pressure fluctuations in gases at high temperature
[NASA-CASE-LAR-12375-1] c 32 N79-24203
Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
A self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 09 N81-27121
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804
Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N82-26635
Method of an apparatus for measuring temperature and pressure --- remote sensing of the atmosphere
[NASA-CASE-GSC-12558-1] c 35 N82-29580

PRESSURE REDUCTION

- Relief valve
[NASA-CASE-XMS-05894-1] c 15 N69-21924
Sealed battery gas manifold construction Patent
[NASA-CASE-XNP-03378] c 03 N71-11051
Depressurization of arc lamps
[NASA-CASE-NPO-10790-1] c 33 N77-21316

Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
Pressure letdown method and device for coal conversion systems
[NASA-CASE-NPO-15100-1] c 28 N81-33306

PRESSURE REGULATORS

Pressure regulating system Patent
[NASA-CASE-XNP-00450] c 15 N70-38603
Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922
High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
Anti-backlash circuit for hydraulic drive system Patent
[NASA-CASE-XNP-01020] c 03 N71-12260
High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097
Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125
Combined pressure regulator and shutoff valve
[NASA-CASE-NPO-13201-1] c 37 N75-15050
Pressure modulating valve
[NASA-CASE-MSC-14905-1] c 37 N77-28487
Flow compensating pressure regulator
[NASA-CASE-LEW-12718-1] c 34 N78-25351
Flow diverter valve and flow diversion method
[NASA-CASE-HQN-00573-1] c 37 N79-33468
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684
Intra-ocular pressure normalization technique and equipment
[NASA-CASE-LEW-12723-1] c 52 N80-18690
Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-12398
Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152
Ion beam sputter-etched ventricular catheter for hydrocephalus shunt
[NASA-CASE-LEW-13107-1] c 52 N83-21785

PRESSURE SENSORS

Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681
Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072
Linear differential pressure sensor Patent
[NASA-CASE-XMF-01974] c 14 N71-22752
Pressure transducer calibrator Patent
[NASA-CASE-XNP-01660] c 14 N71-23036
Instrument for measuring the dynamic behavior of liquids Patent
[NASA-CASE-XLA-05541] c 12 N71-26387
Pressure sensitive transducers Patent
[NASA-CASE-ERC-10087] c 14 N71-27334
Method of making pressurized panel Patent
[NASA-CASE-XLA-08916] c 15 N71-29018
Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
Pressure transducer
[NASA-CASE-NPO-10832] c 14 N72-21405
Pressure operated electrical switch responsive to a pressure decrease after a pressure increase
[NASA-CASE-LAR-10137-1] c 09 N72-22204
Wide range dynamic pressure sensor
[NASA-CASE-ARC-10263-1] c 14 N72-22438
Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418
Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
System for calibrating pressure transducer
[NASA-CASE-LAR-10910-1] c 35 N74-13132
Stagnation pressure probe --- for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878
Circuit for detecting initial systole and diastolic notch --- for monitoring arterial pressure
[NASA-CASE-LEW-11581-1] c 54 N75-13531
Leak detector
[NASA-CASE-MFS-21761-1] c 35 N75-15931

Measurement of gas production of microorganisms --- using pressure sensors
[NASA-CASE-LAR-11326-1] c 35 N75-33368
Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429
Telectrode capacitive pressure transducer
[NASA-CASE-ARC-10711-2] c 33 N76-21390
Catheter tip force transducer for cardiovascular research
[NASA-CASE-NPO-13643-1] c 52 N76-29896
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
Pressure transducer --- using a monomeric charge transfer complex sensor
[NASA-CASE-NPO-11150] c 35 N78-17359
Electronically scanned pressure sensor module with in situ calibration capability
[NASA-CASE-LAR-12230-1] c 35 N79-14347
System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
Tactile sensing system --- manipulator controllers
[NASA-CASE-NPO-15094-1] c 33 N81-16386
A self-correcting electronically scanned pressure sensor
[NASA-CASE-LAR-12686-1] c 09 N81-27121
Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N81-29442
Non-invasive method and apparatus for measuring pressure within a pliable vessel
[NASA-CASE-ARC-11264-1] c 52 N81-33804
Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294
Electronic scanning pressure measuring system and transducer package
[NASA-CASE-ARC-11361-1] c 35 N82-26635

PRESSURE SUITS

Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
Pressure garment joint Patent
[NASA-CASE-XMS-09636] c 05 N71-12344
Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623
Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
Method of forming a root cord restrained convolute section
[NASA-CASE-MSC-12398] c 05 N72-20098
Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
Flexible joint for pressurizable garment
[NASA-CASE-MSC-11072] c 54 N74-32546
Walking boot assembly
[NASA-CASE-ARC-11101-1] c 54 N78-17675
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987
Lower body negative pressure apparatus
[NASA-CASE-MSC-20202-1] c 54 N83-18254

PRESSURE SWITCHES

Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370
Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392

PRESSURE VESSELS

Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577
Gas regulator Patent
[NASA-CASE-NPO-10298] c 12 N71-17661
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616
Heater-mixer for stored fluids
[NASA-CASE-ARC-10442-1] c 35 N74-15093
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N78-28563
Gas compression apparatus
[NASA-CASE-MSC-14757-1] c 35 N78-10428
Pressure control valve --- inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433
Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N82-23031
Space Shuttle with improved external propellant tank
[NASA-CASE-MFS-25853] c 16 N83-13149

PRESSURE WELDING

Diffusion welding --- heat treatment of nickel alloys following single step vacuum welding process
[NASA-CASE-LEW-11388-2] c 37 N74-21055

PRESSURIZING

Restraining mechanism
[NASA-CASE-MSC-13054] c 54 N78-17677

PRESTRESSING

Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N81-24446
Method of manufacture of bonded fiber flywheel --- fiberglass-epoxy
[NASA-CASE-MFS-23674-1] c 24 N81-29163
Prestressed thermal protection systems --- space shuttle orbiters
[NASA-CASE-MSC-20254-1] c 24 N83-17601

PRETREATMENT

Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N81-24446

PRIMERS (COATINGS)

Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-13359-1] c 27 N81-24265

PRINTED CIRCUITS

Electrical feed-through connection for printed circuit boards and printed cable
[NASA-CASE-XMF-01483] c 14 N69-27431
Printed cable connector Patent
[NASA-CASE-XMF-00369] c 09 N70-36494
Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960
Electrical spot terminal assembly Patent
[NASA-CASE-NPO-10034] c 15 N71-17685
Method of coating circuit paths on printed circuit boards with solder Patent
[NASA-CASE-XMF-01599] c 09 N71-20705
Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133
Polyimide resin-fiberglass cloth laminates for printed circuit boards
[NASA-CASE-MFS-20408] c 18 N73-12604
Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243
Device for configuring multiple leads --- method for connecting electric leads to printed circuit board
[NASA-CASE-MFS-22133-1] c 33 N74-26977
Connector --- for connecting circuits on different layers of multilayer printed circuit boards
[NASA-CASE-LAR-11709-1] c 37 N76-27567
Controlled caging and uncaging mechanism
[NASA-CASE-GSC-11063-1] c 37 N77-27400
Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N83-20374

PRINTING

Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468
Multicolor printing plate joining
[NASA-CASE-LEW-13598-1] c 31 N83-17745

PRINTOUTS

Device for handling printed circuit cards Patent
[NASA-CASE-MFS-20453] c 15 N71-29133

PRISMS

Interferometric rotation sensor
[NASA-CASE-ARC-10278-1] c 14 N73-25463
Method and apparatus for splitting a beam of energy --- optical communication
[NASA-CASE-GSC-12083-1] c 73 N78-32848
Laser resonator
[NASA-CASE-GSC-12565-1] c 36 N82-24485
Multiprism collimator
[NASA-CASE-GSC-12608-1] c 74 N83-10900
Rhomboid prism pair for rotating the plane of parallel light beams
[NASA-CASE-ARC-11311-1] c 74 N83-13978

PROBABILITY THEORY

System and method for character recognition
[NASA-CASE-NPO-11337-1] c 74 N81-19896

PROBES

Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222
Droplet monitoring probe
[NASA-CASE-NPO-10985] c 14 N73-20478
System for moving a probe to follow movements of tissue
[NASA-CASE-NPO-15197-1] c 52 N81-26697

PROCESS CONTROL (INDUSTRY)

Photoelectric detection system --- manufacturing automation
[NASA-CASE-MFS-23776-1] c 33 N82-28545

PRODUCT DEVELOPMENT

- Technique of duplicating fragile core
[NASA-CASE-XLA-07829] c 15 N72-16329
- Tube fabricating process
[NASA-CASE-LAR-10203-1] c 15 N72-16330
- Process for making diamonds
[NASA-CASE-MFS-20698-2] c 15 N73-19457
- High power laser apparatus and system
[NASA-CASE-XLE-2529-2] c 36 N75-27364
- Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
- Fiber optic crossbar switch for automatically patching optical signals
[NASA-CASE-KSC-11104-1] c 74 N81-12862
- Process for preparation of large-particle-size monodisperse latexes
[NASA-CASE-MFS-25000-1] c 25 N81-19242
- Ion-exchange hollow fibers
[NASA-CASE-NPO-13309-1] c 25 N81-19244
- Phosphorus-containing imide resins
[NASA-CASE-ARC-11368-1] c 27 N81-31364
- Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491

PRODUCTION ENGINEERING

- Indexed keyed connection Patent
[NASA-CASE-XMS-02532] c 15 N70-41808
- Method and apparatus for making curved reflectors Patent
[NASA-CASE-XLE-08917] c 15 N71-15597
- Method of making self lubricating fluoride-metal composite materials Patent
[NASA-CASE-XLE-08511-2] c 18 N71-16105
- Method of making impurity-type semiconductor electrical contacts Patent
[NASA-CASE-XMF-01016] c 26 N71-17818
- Method of making inflatable honeycomb Patent
[NASA-CASE-XLA-03492] c 15 N71-22713
- Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
- Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
- Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618
- Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
- Process for making sheets with parallel pores of uniform size
[NASA-CASE-GSC-10984-1] c 37 N75-26371
- Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472
- Multilevel metallization method for fabricating a metal oxide semiconductor device
[NASA-CASE-MFS-23541-1] c 76 N79-14906
- Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314
- Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550
- Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
- Method and apparatus for producing concentric hollow spheres — inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- Apparatus for sequentially transporting containers
[NASA-CASE-MFS-23846-1] c 37 N82-32731
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579

PROJECTILES

- Self-obliterating, gas operated launcher
[NASA-CASE-NPO-11013] c 11 N72-22247
- Two stage light gas-plasma projectile accelerator
[NASA-CASE-MFS-22287-1] c 75 N78-14931

PROJECTION

- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357

PROJECTIVE GEOMETRY

- Projection system for display of parallax and perspective
[NASA-CASE-MFS-23194-1] c 35 N78-17357

PROJECTORS

- Optical projector system Patent
[NASA-CASE-XNP-03853] c 23 N71-21882
- System and method for obtaining wide screen Schlieren photographs
[NASA-CASE-NPO-14174-1] c 74 N79-20856

PROPAGATION MODES

- Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-XNP-03134] c 07 N71-10676

PROPELLANT ACTUATED INSTRUMENTS

- Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097

PROPELLANT ADDITIVES

- Inhibited solid propellant composition containing beryllium hydride
[NASA-CASE-NPO-10866-1] c 28 N79-14228

PROPELLANT BINDERS

- Method of forming difunctional polyisobutylene
[NASA-CASE-NPO-10893] c 27 N73-22710
- Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119

PROPELLANT CASTING

- Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
- Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143

PROPELLANT CHEMISTRY

- Nitramine propellants — gun propellant burning rate
[NASA-CASE-NPO-14103-1] c 28 N78-31255

PROPELLANT COMBUSTION

- Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
- Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04603] c 33 N71-21507

PROPELLANT DECOMPOSITION

- Decomposition unit Patent
[NASA-CASE-XMS-00583] c 28 N70-38504

PROPELLANT GRAINS

- Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534

PROPELLANT TANKS

- Liquid rocket system Patent
[NASA-CASE-XNP-00610] c 28 N70-36910
- Slosh suppressing device and method Patent
[NASA-CASE-XMF-00658] c 12 N70-38997
- Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
- Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
- Tank construction for space vehicles Patent
[NASA-CASE-XMF-01899] c 31 N70-41948
- Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779
- Method of making a filament-wound container Patent
[NASA-CASE-XLE-03803-2] c 15 N71-17651
- Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
- Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155
- Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185
- Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176
- Three stage rocket vehicle with parallel staging — space transportation system
[NASA-CASE-MFS-25878-1] c 18 N83-12138

PROPELLANT TRANSFER

- Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492
- Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
- Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367
- Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635
- Electrostatic ion rocket engine Patent
[NASA-CASE-XLE-02086] c 28 N71-15661
- Control of transverse instability in rocket combustors Patent
[NASA-CASE-XLE-04803] c 33 N71-21507
- Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
- Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024
- Propellant feed isolator Patent
[NASA-CASE-LEW-10210-1] c 28 N71-26781
- Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937
- Passive propellant system
[NASA-CASE-MFS-23642-2] c 20 N78-27176

PROPELLER BLADES

- Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856

PROPELLERS

- Heads up display
[NASA-CASE-LAR-12630-1] c 06 N82-29319

PROPORTIONAL CONTROL

- Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954

PROPULSION SYSTEM CONFIGURATIONS

- Electro-thermal rocket Patent
[NASA-CASE-XLE-00287] c 28 N70-33356

- Propellant grain for rocket motors Patent
[NASA-CASE-XGS-03556] c 27 N70-35534
- Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780
- Annular slit collod thruster Patent
[NASA-CASE-GSC-10709-1] c 28 N71-25213
- Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929
- Apparatus for endoscopic examination — analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725

PROPULSION SYSTEM PERFORMANCE

- Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18067

PROSTHETIC DEVICES

- Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013
- Orthotic arm joint — for use in mechanical arms
[NASA-CASE-MFS-21611-1] c 54 N75-12616
- Actuator device for artificial leg
[NASA-CASE-MFS-23225-1] c 52 N77-14735
- Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236
- Rotational joint assembly for the prosthetic leg
[NASA-CASE-KSC-11004-1] c 54 N77-30749
- Mechanical energy storage device for hip disarticulation
[NASA-CASE-ARC-10916-1] c 52 N78-10686
- Method of adhering bone to a rigid substrate using a graphite fiber reinforced bone cement
[NASA-CASE-NPO-13764-1] c 27 N78-17215
- Compact artificial hand
[NASA-CASE-NPO-13906-1] c 54 N79-24652
- Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772
- Prosthetic urinary sphincter
[NASA-CASE-MFS-23717-1] c 52 N81-25660
- Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962
- Texturing polymer surfaces by transfer casting — cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440

PROTECTION

- Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
- Fiber modified polyurethane foam for ballistic protection
[NASA-CASE-ARC-10714-1] c 27 N76-15310

PROTECTIVE CLOTHING

- Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545
- Biological isolation garment Patent
[NASA-CASE-MSC-12206-1] c 05 N71-17599
- Garments for controlling the temperature of the body Patent
[NASA-CASE-XMS-10269] c 05 N71-24147
- Foreshortened convolute section for a pressurized suit Patent
[NASA-CASE-XMS-09637-1] c 05 N71-24730
- Protective suit having an audio transceiver Patent
[NASA-CASE-KSC-10164] c 07 N71-33108
- Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679
- Vitro-violet process for producing flame resistant polyamides and products produced thereby — protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446

PROTECTIVE COATINGS

- Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895
- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
- Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311
- Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
- Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
- Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
- Fire resistant coating composition Patent
[NASA-CASE-GSC-10072] c 18 N71-14014
- Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075
- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00302] c 15 N71-16077

Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679

Heat protection apparatus Patent
[NASA-CASE-XLA-00892] c 33 N71-17897

Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739

Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183

Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555

Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903

Method of coating through-holes Patent
[NASA-CASE-XMF-05999] c 15 N71-29032

Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581

Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037

Semiconductor surface protection material
[NASA-CASE-ERC-10339-1] c 18 N73-30532

Nonflammable coating compositions — for use in high oxygen environments
[NASA-CASE-MFS-20486-2] c 27 N74-17283

Fused silicate coatings containing discrete particles for protecting niobium alloys — used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229

High temperature oxidation resistant cermet compositions
[NASA-CASE-NPO-13666-1] c 27 N77-13217

Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170

Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096

Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290

Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260

Infusible silazane polymer and process for producing same — protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190

Fire protection covering for small diameter missiles
[NASA-CASE-ARC-11104-1] c 15 N79-26100

Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N81-12363

Improved refractory coatings — sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209

Corrosion resistant thermal barrier coating — protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188

Heat sealable, flame and abrasion resistant coated fabric — clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238

Covering solid, film cooled surfaces with a duplex thermal barrier coating
[NASA-CASE-LEW-13450-1] c 34 N82-25463

Method of protecting a surface with a silicon-slurry/aluminate coating — coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441

Overlay metallic-cermet alloy coating systems — for gas turbine engines
[NASA-CASE-LEW-13639-1] c 27 N82-33522

Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683

PROTECTORS

Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974

Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

PROTEINS

Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086

PROTON FLUX DENSITY

Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

PROXIMITY

Focal plane array optical proximity sensor
[NASA-CASE-NPO-15155-1] c 74 N81-22894

PSEUDONOISE

Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577

Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175

Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118

Pseudo-noise test set for communication system evaluation — test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582

Pseudonoise code tracking loop
[NASA-CASE-MSC-18035-1] c 32 N81-15179

PULLEYS

Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878

Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834

PULMONARY CIRCULATION

Resuscitation apparatus Patent
[NASA-CASE-XMS-01115] c 05 N70-39922

PULMONARY FUNCTIONS

Instrument for use in performing a controlled Valsalva maneuver Patent
[NASA-CASE-XMS-01615] c 05 N70-41329

PULSE AMPLITUDE

System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885

Analog to digital converter Patent
[NASA-CASE-XLA-00670] c 08 N71-12501

Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519

Analog-to-digital converter
[NASA-CASE-XNP-00477] c 08 N73-28045

Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387

Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

Power factor control system for ac induction motors
[NASA-CASE-MFS-23988-1] c 33 N81-27395

PULSE AMPLITUDE MODULATION

Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545

Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418

PULSE CODE MODULATION

Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266

Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392

System for recording and reproducing pulse code modulated data Patent
[NASA-CASE-XGS-01021] c 08 N71-21042

Frequency shift keying apparatus Patent
[NASA-CASE-XGS-01537] c 07 N71-23405

Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154

Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208

Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system
[NASA-CASE-NPO-11302-1] c 07 N73-13149

Method and apparatus for a single channel digital communications system — synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132

Multifunction audio digitizer — producing direct delta and pulse code modulation
[NASA-CASE-MSC-13855-1] c 35 N74-17885

Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12462-1] c 32 N74-20809

Pulse code modulated signal synchronizer
[NASA-CASE-MSC-12494-1] c 32 N74-20810

Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486

Compact bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371

Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249

Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239

Digital demodulator
[NASA-CASE-LAR-12659-1] c 33 N82-26570

PULSE COMMUNICATION

Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961

Differential pulse code modulation
[NASA-CASE-MSC-12506-1] c 32 N77-12239

Memory-based frame synchronizer — for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747

PULSE DURATION

Frequency to analog converter Patent
[NASA-CASE-XNP-07040] c 08 N71-12500

Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519

Variable pulse width multiplier Patent
[NASA-CASE-XLA-02850] c 09 N71-20447

Pulse width inverter Patent
[NASA-CASE-MFS-10068] c 10 N71-25139

Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468

Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711

PULSE DURATION MODULATION

Pulse-width modulation multiplier Patent
[NASA-CASE-XER-09213] c 07 N71-12390

Variable duration pulse integrator Patent
[NASA-CASE-XLA-01219] c 10 N71-23084

Transistor servo system including a unique differential amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861

Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418

Monostable multivibrator with complementary NOR gates Patent
[NASA-CASE-MSC-13492-1] c 10 N71-28860

Load current sensor for a series pulse width modulated power supply
[NASA-CASE-GSC-10656-1] c 09 N72-25249

Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392

PULSE FREQUENCY MODULATION

Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431

Digitally controlled frequency synthesizer Patent
[NASA-CASE-XGS-02317] c 09 N71-23525

Noninterruptible digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891

Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MSC-12165-1] c 07 N71-33696

Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349

PULSE GENERATORS

High voltage pulse generator Patent
[NASA-CASE-MSC-12178-1] c 09 N71-13518

Flipflop interrogator and bi-polar current driver Patent
[NASA-CASE-XGS-03058] c 10 N71-19547

Pulse modulator providing fast rise and fall times Patent
[NASA-CASE-XMS-04919] c 09 N71-23270

Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311

Resettable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016

Pulse generating circuit employing switch means on ends of delay line for alternately charging and discharging same Patent
[NASA-CASE-XNP-00745] c 10 N71-28960

Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197

Method and apparatus for nondestructive testing — using high frequency arc discharges
[NASA-CASE-MFS-21233-1] c 38 N74-15395

Random pulse generator
[NASA-CASE-MSC-14131-1] c 33 N75-19515

Frequency tracked pulse technique for ultrasonic analysis
[NASA-CASE-LAR-12697-1] c 32 N80-26571

Active lamp pulse driver circuit — for use in laser transmitters
[NASA-CASE-GSC-12566-1] c 36 N82-10390

Ranging system — industrial robotics
[NASA-CASE-NPO-15865-1] c 74 N83-12991

PULSE HEATING

Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484

PULSE RATE

Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137

Peak holding circuit for extremely narrow pulses
[NASA-CASE-MSC-14129-1] c 33 N75-18479

Pulse transducer with artifact signal attenuator — heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969

PULSED LASERS

Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832

Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654

Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

Tunable injection-locked pulsed CO₂ laser
[NASA-CASE-NPO-14984-1] c 36 N81-15350

Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect [NASA-CASE-NPO-14657-1] c 74 N81-17887

Method of and apparatus for double-exposure holographic interferometry [NASA-CASE-MFS-25405-1] c 35 N81-27459

Active lamp pulse driver circuit --- for use in laser transmitters [NASA-CASE-GSC-12566-1] c 36 N82-10390

Pulse switching for high energy lasers [NASA-CASE-NPO-14556-1] c 33 N82-24418

Coherently pulsed laser source [NASA-CASE-NPO-15111-1] c 36 N82-29589

PULSED RADIATION

Cyclically operable optical shutter [NASA-CASE-NPO-10758] c 14 N73-14427

PULSES

High pulse rate high resolution optical radar system [NASA-CASE-NPO-11426] c 07 N73-26119

PUMP SEALS

Fluid impervious barrier including liquid metal alloy and method of making same Patent [NASA-CASE-XNP-08881] c 17 N71-28747

Spiral groove seal --- for hydraulic rotating shaft [NASA-CASE-LEW-10326-3] c 37 N74-10474

PUMPS

Piezoelectric pump Patent [NASA-CASE-XNP-05429] c 26 N71-21824

Vapor liquid separator Patent [NASA-CASE-XMF-04042] c 15 N71-23023

Automatic pump Patent [NASA-CASE-XNP-04731] c 15 N71-24042

Hydraulic transformer Patent [NASA-CASE-MFS-20830] c 15 N71-30028

Firefly pump-metering system [NASA-CASE-GSC-10218-1] c 15 N72-21465

Magnetocaloric pump --- for cryogenic fluids [NASA-CASE-LEW-11672-1] c 37 N74-27904

Continuous coal processing method [NASA-CASE-NPO-13758-2] c 31 N81-15154

Gas-to-hydraulic power converter [NASA-CASE-MSC-18794-1] c 44 N83-14693

Fluid driven sump pump [NASA-CASE-ARC-11414-1] c 37 N83-20152

PUNCHED CARDS

File card marker Patent [NASA-CASE-XLA-02705] c 08 N71-15908

Device for handling printed circuit cards Patent [NASA-CASE-MFS-20453] c 15 N71-29133

PUNCHES

Convoluting device for forming convolutions and the like Patent [NASA-CASE-XNP-05297] c 15 N71-23811

PURGING

Techniques for insulating cryogenic fuel containers Patent [NASA-CASE-XLA-01967] c 31 N70-42015

High pressure gas filter system Patent [NASA-CASE-MFS-12806] c 14 N71-17588

Apparatus for purging systems handling toxic, corrosive, noxious and other fluids Patent [NASA-CASE-XMS-01905] c 12 N71-21089

Purge device for thrust engines Patent [NASA-CASE-XMS-04826] c 28 N71-28849

Purging means and method for Xenon arc lamps [NASA-CASE-NPO-11978] c 31 N78-17238

PURIFICATION

High pressure helium purifier Patent [NASA-CASE-XMF-06888] c 15 N71-24044

Method and apparatus for distillation of liquids Patent [NASA-CASE-XNP-08124] c 15 N71-27184

Targets for producing high purity I-123 [NASA-CASE-LEW-10518-3] c 25 N78-27226

Process for purification of waste water produced by a Kraft process pulp and paper mill [NASA-CASE-NPO-13847-2] c 85 N79-17747

Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control [NASA-CASE-NPO-14474-1] c 26 N80-14229

Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer [NASA-CASE-NPO-14001-1] c 27 N81-14076

Electromigration process for the purification of molten silicon during crystal growth [NASA-CASE-NPO-14831-1] c 76 N82-30105

PURITY

Process for preparation of dianilinosilanes Patent [NASA-CASE-XMF-06409] c 06 N71-23230

PUSH-PULL AMPLIFIERS

Frequency modulated oscillator [NASA-CASE-MFS-23181-1] c 33 N77-17351

Low current linearization of magnetic amplifier for dc transducer [NASA-CASE-NPO-14617-1] c 33 N81-24338

Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress [NASA-CASE-NPO-14316-1] c 33 N81-33404

PYLONS

Decoupler pylon wing/store flutter suppressor [NASA-CASE-LAR-12468-1] c 08 N82-32373

PYRIDINES

Nuclear alkylated pyridine aldehyde polymers and conductive compositions thereof [NASA-CASE-NPO-10557] c 27 N78-17214

PYROELECTRICITY

Pyroelectric detector arrays [NASA-CASE-LAR-12363-1] c 35 N82-31659

PYROGEN

Molded composite pyrogen igniter for rocket motors --- solid propellant ignition [NASA-CASE-LAR-12018-1] c 20 N78-24275

PYROLYSIS

Molten salt pyrolysis of latex --- synthetic hydrocarbon fuel production using the Guayule shrub [NASA-CASE-NPO-14315-1] c 27 N81-17261

Thermal reactor --- liquid silicon production from silane gas [NASA-CASE-NPO-14369-1] c 44 N83-10501

PYROLYTIC GRAPHITE

Multislot film cooled pyrolytic graphite rocket nozzle Patent [NASA-CASE-XNP-04389] c 28 N71-20942

Ion beam textured graphite electrode plates --- high efficiency electron tube devices [NASA-CASE-LEW-12919-2] c 24 N82-26386

Ion sputter textured graphite --- anode collector plates in electron tube devices [NASA-CASE-LEW-12919-1] c 24 N83-10117

PYROLYTIC MATERIALS

Ablation structures Patent [NASA-CASE-XMS-01816] c 33 N71-15623

PYROMETERS

Ablation sensor [NASA-CASE-XLA-01781] c 14 N69-39975

PYROTECHNICS

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[NASA-CASE-MSC-14276-1] c 52 N77-14737
Low X-ray absorption aneurysm clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768
X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882
- RADIOLOGY**
Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- RADIOLYSIS**
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
- RADIOMETERS**
Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323
Thermoelectric radiometer utilizing polymer film
[NASA-CASE-ARC-10138-1] c 14 N72-24477
Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409
Clear air turbulence detector
[NASA-CASE-ERC-10081] c 14 N72-28437
Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432
Steady state thermal radiometers
[NASA-CASE-MFS-21108-1] c 34 N74-27861
Method and apparatus for precision control of radiometer
[NASA-CASE-NPO-15398-1] c 35 N81-33449
- RADIOSONDES**
Induction powered biological radiosonde
[NASA-CASE-ARC-11120-1] c 52 N80-18691
- RAIN**
Precipitation detector Patent
[NASA-CASE-XLA-02619] c 10 N71-26334
Environmental fog/rain visual display system for aircraft simulators
[NASA-CASE-ARC-11158-1] c 09 N82-24212
- RAMJET ENGINES**
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168
- RAMPS (STRUCTURES)**
Automated multi-level vehicle parking system
[NASA-CASE-NPO-13058-1] c 37 N77-22480
- RANDOM ACCESS MEMORY**
Memory-based parallel data output controller
[NASA-CASE-GSC-12447-1] c 60 N80-21987
Memory-based frame synchronizer --- for digital communication systems
[NASA-CASE-GSC-12430-1] c 60 N82-16747
- RANDOM LOADS**
Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
- RANDOM NOISE**
Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844

RANGE (EXTREMES)

Digital servo control of random sound test excitation
--- in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
Random pulse generator
[NASA-CASE-MS-C-14131-1] c 33 N75-19515
Pseudo noise code and data transmission method and apparatus
[NASA-CASE-GSC-12017-1] c 32 N77-30308

RANGE (EXTREMES)

Logarithmic circuit with wide dynamic range
[NASA-CASE-GSC-12145-1] c 33 N78-32339

RANGE FINDERS

Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
Digital demodulator-correlator
[NASA-CASE-NPO-13982-1] c 32 N79-14267
Doppler radar having phase modulation of both transmitted and reflected return signals --- ranging
[NASA-CASE-MS-C-18675-1] c 32 N81-29312
Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

RANGEFINDING

Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
Ranging system Patent
[NASA-CASE-NPO-10066] c 09 N71-18598
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Code regenerative clean-up loop transponder for a multi-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
Optical distance measuring instrument
[NASA-CASE-12761-1] c 74 N83-13982

RARE EARTH COMPOUNDS

Didymium hydrate additive to nickel hydroxide electrodes Patent
[NASA-CASE-XGS-03505] c 03 N71-10608
High modulus rare earth and beryllium containing silicate glass compositions --- for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455

RARE GASES

Inert gas metallic vapor laser
[NASA-CASE-NPO-13449-1] c 36 N75-32441
Low noise lead screw positioner
[NASA-CASE-NPO-15617-1] c 35 N82-33681

RAREFIED GASES

Magnetically controlled plasma accelerator Patent
[NASA-CASE-XLA-00327] c 25 N71-29184

RATES (PER TIME)

Rate data encoder
[NASA-CASE-LAR-10128-1] c 08 N73-20217
Method of and apparatus for generating an interstitial point in a data stream having an even number of data points
[NASA-CASE-MFS-25319-1] c 64 N83-12932

RC CIRCUITS

Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
RC rate generator for slow speed measurement Patent
[NASA-CASE-XMF-02966] c 10 N71-24863
Transient augmentation circuit for pulse amplifiers Patent
[NASA-CASE-XNP-01068] c 10 N71-28739
Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256
RC networks and amplifiers employing the same
[NASA-CASE-XAC-05462-2] c 10 N72-17171
Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172
Multiloop RC active filter apparatus having low parameter sensitivity with low amplifier gain
[NASA-CASE-ARC-10192] c 09 N72-21245
Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520

REACTION CONTROL

Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160

REACTION KINETICS

Synthesis of polyformals
[NASA-CASE-ARC-11244-1] c 23 N82-16174

REACTION TIME

Pseudonoise code tracking loop
[NASA-CASE-MS-C-18035-1] c 32 N81-15179

REACTION WHEELS

Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082

Gravity gradient attitude control system Patent
[NASA-CASE-GSC-10555-1] c 21 N71-27324

REACTIVITY

Gaseous control system for nuclear reactors
[NASA-CASE-XLE-04599] c 22 N72-20597

REACTOR CORES

Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228

REACTOR DESIGN

Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920
Thermal reactor --- liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501

REACTOR MATERIALS

Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201

REACTOR PHYSICS

Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-19920

READOUT

Flow angle sensor and read out system Patent
[NASA-CASE-XLE-04503] c 14 N71-24864
Plural position switch status and operativeness checker Patent
[NASA-CASE-XLA-08789] c 10 N71-27272
Magneto-optic detection system with noise cancellation
[NASA-CASE-NPO-11954-1] c 35 N78-29421

REAL TIME OPERATION

Respiratory analysis system and method
[NASA-CASE-MS-C-13436-1] c 05 N73-32015
Real time moving scene holographic camera system
[NASA-CASE-MFS-21087-1] c 35 N74-17153
Real time, large volume, moving scene holographic camera system
[NASA-CASE-MFS-22537-1] c 35 N75-27328
Carbon monoxide monitor --- using real time operation
[NASA-CASE-MFS-22060-1] c 35 N75-29380
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
Real time reflectometer --- measurement of specular reflectance
[NASA-CASE-MFS-23118-1] c 35 N77-31465
Contour detector and data acquisition system for the left ventricular outline
[NASA-CASE-ARC-10985-1] c 52 N79-10724
Azimuth correlator for real-time synthetic aperture radar image processing
[NASA-CASE-NPO-14019-1] c 32 N79-14268
System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898
Real-time multiple-look synthetic aperture radar processor for spacecraft applications
[NASA-CASE-NPO-14054-1] c 32 N82-12297
Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294
Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950

REBREATHING

Portable breathing system --- a breathing apparatus using a rebreathing system of heat exchangers for carbon dioxide removal
[NASA-CASE-MS-C-16182-1] c 54 N80-10799

RECEIVERS

System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MS-C-12259-1] c 07 N70-12616
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier
[NASA-CASE-NPO-11593-1] c 07 N73-28012
Automatic carrier acquisition system
[NASA-CASE-NPO-11628-1] c 07 N73-30113
Coherent receiver employing nonlinear coherence detection for carrier tracking
[NASA-CASE-NPO-11921-1] c 32 N74-30523
Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MS-C-14557-1] c 32 N76-16249
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
Receiving and tracking phase modulated signals
[NASA-CASE-MS-C-16170-2] c 32 N81-16338
Self-calibrating threshold detector
[NASA-CASE-MS-C-16370-1] c 35 N81-19427

RECHARGING

Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N82-26464

RECIPROCATING

Precision reciprocating filament chopper
[NASA-CASE-LAR-12564-2] c 37 N82-18604

RECONSTRUCTION

Method and means for recording and reconstructing holograms without use of a reference beam Patent
[NASA-CASE-ERC-10020] c 16 N71-26154

RECORDING HEADS

Electromagnetic transducer recording head having a laminated core section and tapered gap
[NASA-CASE-NPO-10711-1] c 35 N77-21392

RECORDING INSTRUMENTS

Automatic force measuring system Patent
[NASA-CASE-XLA-02605] c 14 N71-10773
Blood pressure measuring system for separating and separately recording dc signal and an ac signal Patent
[NASA-CASE-XMS-06061] c 05 N71-23317
Helical recorder arrangement for multiple channel recording on both sides of the tape
[NASA-CASE-GSC-10614-1] c 09 N72-11224
Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
Holography utilizing surface plasmon resonances
[NASA-CASE-MFS-22040-1] c 35 N74-26946
Measuring probe position recorder
[NASA-CASE-LAR-10806-1] c 35 N74-32877

RECOVERABILITY

Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135

RECOVERABLE LAUNCH VEHICLES

Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
Onboard/launch system
[NASA-CASE-LAR-12250-1] c 14 N81-26161

RECOVERABLE SPACECRAFT

Space capsule ejection assembly Patent
[NASA-CASE-XMF-03169] c 31 N71-15675

RECOVERY PARACHUTES

Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
Vortex breach high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898

RECTANGULAR PANELS

Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
Composite sandwich lattice structure
[NASA-CASE-LAR-11898-1] c 24 N78-10214

RECTIFIERS

Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109
SCR lamp driver
[NASA-CASE-XSC-10221-1] c 09 N72-23171
A dc to ac to dc converter having transistor synchronous rectifiers
[NASA-CASE-GSC-11126-1] c 09 N72-25253
Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393

RECTUM

Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

REDOX CELLS

Zirconium carbide as an electrocatalyst for the chromous/chromic redox couple
[NASA-CASE-LEW-13246-1] c 25 N81-26203
Catalyst surfaces for the chromous/chromic redox couple
[NASA-CASE-LEW-13148-2] c 44 N81-29524
Improved chromium electrodes for REDOX cells
[NASA-CASE-LEW-13653-1] c 44 N82-22672

REDUCED GRAVITY

Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
Restraint system for ergometer
[NASA-CASE-MFS-21046-1] c 14 N73-27377
Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

REDUCTION (CHEMISTRY)

Production of metal powders
[NASA-CASE-XLE-06461] c 17 N72-22530
Process for making anhydrous metal halides
[NASA-CASE-LEW-11860-1] c 37 N76-18458
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514

REDUNDANCY

Reconfiguring redundancy management
[NASA-CASE-MS-C-18498-1] c 60 N82-29013

REDUNDANT COMPONENTS

- Redundant memory organization Patent
[NASA-CASE-GSC-10564] c 10 N71-29135
- Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101
- Redundant motor drive system
[NASA-CASE-MFS-23777-1] c 37 N80-32716
- Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706

REELS

- Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495

REENTRY COMMUNICATION

- Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
- Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
- Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284

REENTRY SHIELDING

- Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
- Method and apparatus for making a heat insulating and ablative structure Patent
[NASA-CASE-XMS-02009] c 33 N71-20834
- Stand-off type ablative heat shield
[NASA-CASE-MS-12143-1] c 33 N72-17947
- Protected isotope heat source --- for atmospheric reentry protection and heat transmission to spacecraft
[NASA-CASE-LEW-11227-1] c 73 N75-30876
- Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520

REENTRY TRAJECTORIES

- Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631

REENTRY VEHICLES

- Reentry vehicle leading edge Patent
[NASA-CASE-XLA-00165] c 31 N70-33242
- Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
- Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
- Ablation sensor Patent
[NASA-CASE-XLA-01791] c 14 N71-22991
- Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
- Ferry system
[NASA-CASE-LAR-10574-1] c 11 N73-13257
- Vortex breech high pressure gas generator
[NASA-CASE-LAR-10549-1] c 31 N73-13898
- Three-component ceramic coating for silica insulation
[NASA-CASE-MS-14270-2] c 27 N76-23426

REFERENCE SYSTEMS

- Automatic frequency control loop including synchronous switching circuits
[NASA-CASE-KSC-10393] c 09 N72-21247
- Magnetic heading reference
[NASA-CASE-LAR-11387-2] c 04 N77-19056

REFINING

- Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946

REFLECTANCE

- Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365
- Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587
- Optical mirror apparatus Patent
[NASA-CASE-ERC-10001] c 23 N71-24868

REFLECTED WAVES

- Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
- Clear air turbulence detector
[NASA-CASE-MFS-21244-1] c 36 N75-15028
- Reflected-wave maser --- low noise amplifier
[NASA-CASE-NPO-13490-1] c 36 N76-31512
- Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N83-18485

REFLECTING TELESCOPES

- Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969

REFLECTION

- Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532

- Method and apparatus for compensating reflection losses in a path length modulated absorption-absorption trace gas detector --- for determining density of gas
[NASA-CASE-ARC-10631-1] c 74 N76-20958

REFLECTOMETERS

- Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
- Real time reflectometer --- measurement of specular reflectance
[NASA-CASE-MFS-23118-1] c 35 N77-31465
- Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443
- Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687

REFLECTORS

- Reflector space satellite Patent
[NASA-CASE-XLA-00138] c 31 N70-37981
- Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
- Spectroscope equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206
- Conical reflector antenna
[NASA-CASE-NPO-10303] c 07 N72-22127
- Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
- Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174
- Multiple reflection conical microwave antenna
[NASA-CASE-NPO-11661] c 07 N73-14130
- Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526
- Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N81-27887
- Heat reflecting field stop
[NASA-CASE-LAR-12443-1] c 74 N82-19030
- Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579

REFRACTIVITY

- The 2 deg/90 deg laboratory scattering photometer --- particulate refractivity in hydrosols
[NASA-CASE-GSC-12088-1] c 74 N78-13874
- Chromatically corrected virtual image visual display --- reducing eye strain in flight simulators
[NASA-CASE-LAR-12251-1] c 74 N80-27185
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N81-19440

REFRACTORY COATINGS

- Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
- Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520

REFRACTORY MATERIALS

- High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
- Method of manufacturing semiconductor devices using refractory dielectrics
[NASA-CASE-XER-08476-1] c 26 N72-17820
- High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215
- High temperature resistant cermet and ceramic compositions --- for thermal resistant insulators and refractory coatings
[NASA-CASE-NPO-13690-1] c 27 N78-19302
- High temperature resistant cermet and ceramic compositions
[NASA-CASE-NPO-13690-2] c 27 N79-14213
- Fibrous refractory composite insulation --- shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
- Catalytic trimmerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307
- Improved refractory coatings --- sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209
- Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MS-18791-1] c 37 N81-24446
- Castable high temperature refractory materials
[NASA-CASE-LEW-13080-2] c 27 N82-11210

- Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339
- Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MS-18741-1] c 27 N82-29456
- Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MS-18737-1] c 24 N83-13171
- Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MS-18736-1] c 24 N83-13172
- High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MS-18832-1] c 27 N83-18908

REFRACTORY METALS

- Radiant heater having formed filaments Patent
[NASA-CASE-XLE-00387] c 33 N70-34812
- Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468
- Multilayer porous ionizer Patent
[NASA-CASE-XNP-04338] c 17 N71-23046
- Brazing alloy Patent
[NASA-CASE-XNP-03063] c 17 N71-23365
- Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145
- Method of producing refractory composites containing tantalum carbide, hafnium carbide, and hafnium boride Patent
[NASA-CASE-XLE-03940] c 18 N71-26153
- Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
- Refractory metal base alloy composites
[NASA-CASE-XLE-03940-2] c 17 N72-28536
- Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229
- Method of making an apertured casting --- using duplicate mold
[NASA-CASE-LEW-11169-1] c 37 N76-23570
- Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904

REFRIGERATING

- Helium refrigerator and method for decontaminating the refrigerator
[NASA-CASE-NPO-10634] c 23 N72-25619
- Magnetic heat pumping
[NASA-CASE-LEW-12508-3] c 34 N82-24449

REFRIGERATING MACHINERY

- Refrigeration apparatus
[NASA-CASE-NPO-10309] c 15 N69-23190
- Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025
- Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725
- Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
- A cycling Joule Thomson refrigerator
[NASA-CASE-NPO-15251-1] c 31 N81-19344
- Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-12398

REFRIGERATORS

- Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
- Helium refrigerator
[NASA-CASE-NPO-13435-1] c 31 N76-14284
- Thermal compensator for closed-cycle helium refrigerator --- assuring constant temperature for an infrared laser diode
[NASA-CASE-GSC-12168-1] c 31 N79-17029
- Refrigerator module, system and process --- regenerative, cryogenic cooling of an infrared radiation detection system
[NASA-CASE-ARC-11263-1] c 31 N81-27328
- Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153

REGENERATION (ENGINEERING)

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- Regenerative braking system Patent
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- Method of making a regeneratively cooled combustion chamber Patent
[NASA-CASE-XLE-00150] c 28 N70-41818
- Small rocket engine Patent
[NASA-CASE-XLE-00685] c 28 N70-41992
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- Magnetic heat pumping
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- Priority interrupt system — comprised of four registers
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- Method of preparing graphite reinforced aluminum composite
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- Composition and method for making polyimide resin-reinforced fabric
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[NASA-CASE-XMF-10040] c 15 N71-22877
Phase-locked servo system — for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
Laser system with an antiresonant optical ring
[NASA-CASE-HQN-10844-1] c 36 N75-19653
Helmet latching and attaching ring
[NASA-CASE-XMS-04670] c 54 N78-17678
Collapsible corrugated horn antenna
[NASA-CASE-LAR-11745-1] c 32 N80-29539
Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348
Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

RING WINGS

Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315

RIPPLES

Ripple indicator
[NASA-CASE-KSC-10162] c 09 N72-11225

RIVETS

Printed circuit board with bellows rivet connection Patent
[NASA-CASE-XNP-05082] c 15 N70-41960

ROBOTS

Ranging system — industrial robotics
[NASA-CASE-NPO-15865-1] c 74 N83-12991

ROCKET ENGINE CASES

Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
Solid propellant liner Patent
[NASA-CASE-XNP-09744] c 27 N71-16392
Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
Casting propellant in rocket engine
[NASA-CASE-LAR-11995-1] c 28 N77-10213
Solid propellant rocket motor and method of making same
[NASA-CASE-XLA-1349] c 20 N77-17143

ROCKET ENGINE CONTROL

Fluid thrust control system — for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124

ROCKET ENGINE DESIGN

Annular rocket motor and nozzle configuration Patent
[NASA-CASE-XLE-00078] c 28 N70-33284
Spherical solid-propellant rocket motor Patent
[NASA-CASE-XLA-00105] c 28 N70-33331
Spherically-shaped rocket motor Patent
[NASA-CASE-XHQ-01897] c 28 N70-35381
Rocket engine Patent
[NASA-CASE-XLE-00342] c 28 N70-37980
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321
Ion thruster with a combination keeper electrode and electron baffle
[NASA-CASE-NPO-11880] c 28 N73-24783
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191
System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275

ROCKET ENGINES

Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860

Ion thruster cathode Patent Application
[NASA-CASE-LEW-10814-1] c 28 N70-35422
Injector-valve device Patent
[NASA-CASE-XLE-00303] c 15 N70-36535
Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947
Passively regulated water electrolysis rocket engine Patent

[NASA-CASE-XGS-08729] c 28 N71-14044
Method of igniting solid propellants Patent
[NASA-CASE-XLE-01988] c 27 N71-15634
Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321

Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095
Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849
Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053

Ion thruster magnetic field control
[NASA-CASE-LEW-10835-1] c 28 N72-22771
Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262
Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417

Magneto-plasma-dynamic arc thruster
[NASA-CASE-LEW-11180-1] c 25 N73-25760
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919
Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296

Ion beam thruster shield
[NASA-CASE-LEW-12082-1] c 20 N77-10148
Anode for ion thruster
[NASA-CASE-LEW-12048-1] c 20 N77-20162
General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075

Diffuser/ejector system for a very high vacuum environment
[NASA-CASE-MFS-15791-1] c 37 N82-33712

ROCKET EXHAUST

Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

ROCKET FIRING

Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663

ROCKET FLIGHT

Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691

ROCKET LAUNCHING

Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663
Controlled release device Patent
[NASA-CASE-XKS-03338] c 15 N71-24043

ROCKET LININGS

Heat exchanger and method of making — rocket lining
[NASA-CASE-LEW-12441-2] c 34 N80-24573

ROCKET NOZZLES

Gimballed, partially submerged rocket nozzle Patent
[NASA-CASE-XMF-01544] c 28 N70-34162
Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
Self-sealing, unbonded, rocket motor nozzle closure Patent

[NASA-CASE-XLA-02651] c 28 N70-41967
Automatically deploying nozzle exit cone extension Patent
[NASA-CASE-XLE-01640] c 31 N71-15637
Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643

Collapsible nozzle extension for rocket engines Patent
[NASA-CASE-MFS-11497] c 28 N71-16224
Apparatus and method for protecting a photographic device Patent
[NASA-CASE-NPO-10174] c 14 N71-18465
Multislot film cooled pyrolytic graphite rocket nozzle Patent

[NASA-CASE-XNP-04389] c 28 N71-20942
Prestressed refractory structure Patent
[NASA-CASE-XNP-02888] c 18 N71-21068
Swirling flow nozzle Patent
[NASA-CASE-XNP-03692] c 28 N71-24321

Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708

Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
Retractable environmental seal
[NASA-CASE-MFS-23646-1] c 37 N79-22474

ROCKET OXIDIZERS

Preparing oxidizer coated metal fuel particles
[NASA-CASE-NPO-11975-1] c 28 N74-33209

ROCKET PROPELLANTS

Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Bipropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809

ROCKET TEST FACILITIES

High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278
Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094

ROCKET THRUST

Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-XNP-00217] c 28 N70-38181
Electrostatic thruster with improved insulators Patent
[NASA-CASE-XLE-01902] c 28 N71-10574
Solid propellant rocket motor
[NASA-CASE-NPO-11559] c 28 N73-24784
Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382

ROCKET VEHICLES

Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
Support apparatus for dynamic testing Patent
[NASA-CASE-XMF-01772] c 11 N70-41677
Alleviation of divergence during rocket launch Patent
[NASA-CASE-XLA-00256] c 31 N71-15663
Technique for control of free-flight rocket vehicles Patent

[NASA-CASE-XLA-00937] c 31 N71-17691
Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398
High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

ROCKET-BORNE INSTRUMENTS

Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432

ROCKETS

Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

ROCKS

Rock drill for recovering samples
[NASA-CASE-XNP-07478] c 14 N69-21923
Rock sampling — apparatus for controlling particle size
[NASA-CASE-XNP-10007-1] c 46 N74-23068
Rock sampling — method for controlling particle size distribution
[NASA-CASE-XNP-09755] c 46 N74-23069
Coal-rock interface detector
[NASA-CASE-MFS-23725-1] c 43 N79-31706

RODS

Nuclear thermionic converter — tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891

ROLL

Roll alignment detector
[NASA-CASE-GSC-10514-1] c 14 N72-20379

ROLLER BEARINGS

Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
Low mass rolling element for bearings
[NASA-CASE-LEW-11087-1] c 15 N73-30458
Method of making rolling element bearings
[NASA-CASE-LEW-11087-2] c 37 N74-15128
Bearing material — composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309

ROLLERS

Method of improving the reliability of a rolling element system Patent
[NASA-CASE-XLE-02999] c 15 N71-16052
Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
Suspension system for a wheel rolling on a flat track — bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587

ROLLING CONTACT LOADS

Rolling element bearings Patent
[NASA-CASE-XLE-09527-2] c 15 N71-26189

ROLLING MOMENTS

Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856
Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240

ROOM TEMPERATURE

Coating process
[NASA-CASE-XNP-06508] c 18 N69-39895

ROTARY STABILITY

Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
Lubricated journal bearing
[NASA-CASE-LEW-11076-3] c 37 N75-30562
Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358
Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

ROTARY WING AIRCRAFT

Aircraft control system
[NASA-CASE-ERC-10439] c 02 N73-19004

ROTARY WINGS

Variable geometry rotor system
[NASA-CASE-LAR-10557] c 02 N72-11018
Hingeless helicopter rotor with improved stability
[NASA-CASE-ARC-10807-1] c 05 N77-17029
Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
Helicopter rotor airfoil
[NASA-CASE-LAR-12396-1] c 02 N79-24958
Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107
Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
Family of airfoil shapes for rotating blades --- for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

ROTATING BODIES

Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
Laser apparatus for removing material from rotating objects Patent
[NASA-CASE-MFS-11279] c 16 N71-20400
Phase-locked servo system --- for synchronizing the rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139
Annular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
Axially and radially controllable magnetic bearing
[NASA-CASE-GSC-11551-1] c 37 N76-18459
Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112
Rotatable mass for a flywheel
[NASA-CASE-MFS-23051-1] c 37 N79-10422
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
Rotary target V-block --- aligning wind tunnel apparatus for optical measurement
[NASA-CASE-LAR-12007-2] c 74 N79-25876
Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011
Apparatus for and method of compensating dynamic unbalance
[NASA-CASE-GSC-12550-1] c 37 N81-22358

ROTATING CYLINDERS

Tread drum for animals --- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733
Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482

ROTATING DISKS

Foil seal
[NASA-CASE-XLE-05130] c 15 N69-21362
Scanning aspect sensor employing an apertured disc and a commutator
[NASA-CASE-XGS-08266] c 14 N69-27432
Redundant disc
[NASA-CASE-LEW-12496-1] c 07 N78-33101

ROTATING ELECTRICAL MACHINES

Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479

Direct current motor with stationary armature and field Patent
[NASA-CASE-XGS-05290] c 09 N71-25999

Constant frequency output two stage induction machine systems Patent
[NASA-CASE-ERC-10065] c 09 N71-27364

ROTATING ENVIRONMENTS

Radial module space station Patent
[NASA-CASE-XMS-01906] c 31 N70-41373
Rotating space station simulator Patent
[NASA-CASE-XLA-03127] c 11 N71-10776

ROTATING GENERATORS

Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813
Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096

ROTATING MIRRORS

Retrodirective modulator Patent
[NASA-CASE-GSC-10062] c 14 N71-15605
Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880
Method for generating ultra-precise angles Patent
[NASA-CASE-XGS-04173] c 19 N71-26674
Method and apparatus for optically monitoring the angular position of a rotating mirror
[NASA-CASE-GSC-11353-1] c 74 N74-21304

ROTATING SHAFTS

Foil seal Patent
[NASA-CASE-XLE-05130-2] c 15 N71-19570
Anemometer with braking mechanism Patent
[NASA-CASE-XMF-05224] c 14 N71-23726
Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294
Two component bearing Patent
[NASA-CASE-XLA-00013] c 15 N71-29136
Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
Spiral groove seal --- for rotating shaft
[NASA-CASE-XLE-10326-4] c 37 N74-15125
Digital servo controller --- for rotating antenna shaft
[NASA-CASE-KSC-10769-1] c 33 N74-29556
Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
Ergometer calibrator --- for any ergometer utilizing rotating shaft
[NASA-CASE-MFS-21045-1] c 35 N75-15932
Fluid seal for rotating shafts
[NASA-CASE-LEW-11676-1] c 37 N76-22541
Cyclical bi-directional rotary actuator
[NASA-CASE-GSC-11883-1] c 37 N77-19458
Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436
Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
Rotary electric device
[NASA-CASE-GSC-12138-1] c 33 N79-20314
Circumferential shaft seal
[NASA-CASE-LEW-12119-1] c 37 N80-28711
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
Clutchless multiple drive source for output shaft
[NASA-CASE-ARC-11325-1] c 37 N82-22496
Unitary seal ring assembly --- cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N82-25517
Magnetic bearing and motor
[NASA-CASE-GSC-12725-1] c 37 N82-29603
Directional gear ratio transmission
[NASA-CASE-LAR-12644-1] c 37 N82-29605
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-13445-2] c 37 N83-17883
Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 39 N83-20284

ROTATION

Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
Mechanical actuator Patent
[NASA-CASE-XGS-04548] c 15 N71-24045
Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462
Systems for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N82-11861
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475
Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492

ROTOR AERODYNAMICS

Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107

ROTOR BLADES

Non-destructive method for applying and removing instrumentation on helicopter rotor blades
[NASA-CASE-LAR-11201-1] c 35 N78-24515
Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057

ROTOR BLADES (TURBOMACHINERY)

Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
Supersonic fan blading --- noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116
Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148
Helicopter rotor airfoil
[NASA-CASE-LAR-12396-1] c 02 N79-24958
Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-13445-2] c 37 N83-17883

ROTOR LIFT

Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847

ROTOR SPEED

Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904
Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660

ROTORCRAFT AIRCRAFT

Constant lift rotor for a heavier than air craft
[NASA-CASE-ARC-11045-1] c 05 N79-17847

ROTORS

Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00085] c 28 N70-39895
Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
Detenting servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695
Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
Magnetic field control --- electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569

RUBBER

Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228
Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

RUBBER COATINGS

Intumescent paint containing nitrile rubber
[NASA-CASE-ARC-10196-1] c 18 N73-13562

RUBY

Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-1] c 37 N75-15992
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
[NASA-CASE-GSC-11577-3] c 24 N79-25143

RUBY LASERS

Laser coolant and ultraviolet filter
[NASA-CASE-MFS-20180] c 16 N72-12440
Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N81-27459

RUNWAY ALIGNMENT

Magnetic position detection method and apparatus
[NASA-CASE-ARC-10179-1] c 21 N72-22619

RUNWAY LIGHTS

Runway light Patent
[NASA-CASE-XLA-00119] c 11 N70-33329
Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059

RUPTURING

Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XAC-00731] c 11 N71-15960

RYDBERG SERIES

A low energy electron magnetometer
[NASA-CASE-LAR-12706-1] c 35 N81-19428

S

SABOT PROJECTILES

Hypervelocity gun --- using both electric and chemical energy for projectile propulsion
[NASA-CASE-XLE-03186-1] c 09 N79-21084

SAFETY DEVICES

Pressure suit tie-down mechanism Patent
[NASA-CASE-XMS-00784] c 05 N71-12335
Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706
Protective device for machine and metalworking tools Patent
[NASA-CASE-XLE-01092] c 15 N71-22797
Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895
Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375
Restraint torso for a pressurized suit
[NASA-CASE-MS-12397-1] c 05 N72-25119
Totally confined explosive welding --- apparatus to reduce noise level and protect personnel during explosive bonding
[NASA-CASE-LAR-10941-1] c 37 N74-21057
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421
Shoulder harness and lap belt restraint system
[NASA-CASE-ARC-10519-2] c 05 N75-25915
Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
Microwave power transmission beam safety system
[NASA-CASE-NPO-14224-1] c 33 N80-18287
Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343
Variable response load limiting device --- for aircraft seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

SAFETY FACTORS

Safety flywheel --- using flexible materials energy storage
[NASA-CASE-HQN-10888-1] c 44 N79-14527

SAHA EQUATIONS

Cosmic dust analyzer
[NASA-CASE-MS-13802-2] c 35 N76-15431

SALINITY

Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N82-29714

SALT BATHS

Process for applying a protective coating for salt bath brazing Patent
[NASA-CASE-XLE-00046] c 15 N70-33311

SAMARIUM

Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292

SAMPLERS

Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395
Method and device for destructive detection of a substance --- useful in determining the concentration of carbon fibers or pollutant particles
[NASA-CASE-NPO-14940-1] c 35 N80-21723
Mobile sampler for use in acquiring samples of terrestrial atmospheric gases
[NASA-CASE-NPO-15220-1] c 35 N81-24414
Automated syringe sampler --- remote sampling of air and water
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[NASA-CASE-LAR-12893-1] c 33 N82-26573
Method of making macrocrystalline or single crystal semiconductor material and products produced thereby --- epitaxial substrates using low melting materials for photovoltaic cells
[NASA-CASE-NPO-15904-1] c 76 N83-21993

SENSITIVITY

Active RC networks
[NASA-CASE-ARC-10042-2] c 10 N72-11256

SENSITOMETRY

Condition sensor system and method
[NASA-CASE-MSC-14805-1] c 54 N78-32720

SENSORS

Bonding method in the manufacture of continuous regression rate sensor devices
[NASA-CASE-LAR-10337-1] c 24 N75-30260
Medical subject monitoring systems --- multichannel monitoring systems
[NASA-CASE-MSC-14180-1] c 52 N76-14757

SENSORY PERCEPTION

Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013

SEPARATED FLOW

Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
Mixture separation cell Patent
[NASA-CASE-XMS-02952] c 18 N71-20742
Flow separation detector
[NASA-CASE-ARC-11046-1] c 35 N78-14364

SEPARATORS

Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465
Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202
Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
Separator Patent
[NASA-CASE-XLA-00415] c 15 N71-16079
Water separating system Patent
[NASA-CASE-XMS-13052] c 14 N71-20427
Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023
Air removal device
[NASA-CASE-XLA-8914] c 15 N73-12492
Centrifugal lyophobic separator
[NASA-CASE-LAR-10194-1] c 34 N74-30608
Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
Method and apparatus for fluffing, separating, and cleaning fibers
[NASA-CASE-LAR-11224-1] c 37 N76-18456

Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606
Low gravity phase separator
[NASA-CASE-MSC-14773-1] c 35 N78-12390
Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
Counter pumping debris excluder and separator --- gas turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090
Inorganic-organic separators for alkaline batteries
[NASA-CASE-LEW-12649-1] c 44 N78-25530
Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345
In situ self cross-linking of polyvinyl alcohol battery separators
[NASA-CASE-LEW-12972-1] c 44 N79-25481
Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000
Polyvinyl alcohol battery separator containing inert filler --- alkaline batteries
[NASA-CASE-LEW-13556-1] c 44 N81-27615
Alkaline battery containing a separator of a cross-linked copolymer of vinyl alcohol and unsaturated carboxylic acid
[NASA-CASE-LEW-13102-1] c 44 N81-29531
Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268
Process of treating cellulosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
Alkaline electrochemical cells and method of making
[NASA-CASE-GSC-10349-1] c 44 N82-24645
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370
Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708
Electrophoresis device
[NASA-CASE-MFS-25426-1] c 25 N83-10126
Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

SEQUENCING
Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
MOD 2 sequential function generator for multibit binary sequence
[NASA-CASE-NPO-10636] c 08 N72-25210
Pseudonoise sequence generators with three tap linear feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175
Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634

SEQUENTIAL ANALYSIS
Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209
Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144

SEQUENTIAL COMPUTERS
Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751

SEQUENTIAL CONTROL
Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503
Binary sequence detector Patent
[NASA-CASE-XNP-05415] c 08 N71-12505
Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377

SERUMS
Reduction of blood serum cholesterol
[NASA-CASE-NPO-12119-1] c 52 N75-15270

SERVICE LIFE

Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248

SERVOAMPLIFIERS

Pneumatic amplifier Patent
[NASA-CASE-MSC-12121-1] c 15 N71-27147

SERVOCONTROL

Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460

Proportional controller Patent
[NASA-CASE-XAC-03392] c 03 N70-41954

Light intensity modulator controller Patent
[NASA-CASE-XMS-04300] c 09 N71-19479

Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360

Energy limiter for hydraulic actuators Patent
[NASA-CASE-ARC-10131-1] c 15 N71-27754

Digital servo controller --- for rotating antenna shaft
[NASA-CASE-KSC-10769-1] c 33 N74-29556

Digital servo control of random sound test excitation
--- in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148

Phase-locked servo system --- for synchronizing the
rotation of slip ring assembly
[NASA-CASE-MFS-22073-1] c 33 N75-13139

Servo-controlled intravitral microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123

Autonomous navigation system --- gyroscopic pendulum
for air navigation
[NASA-CASE-ARC-11257-1] c 04 N81-21047

System for moving a probe to follow movements of
tissue
[NASA-CASE-NPO-15197-1] c 52 N81-26697

Control system for an induction motor with energy
recovery
[NASA-CASE-MFS-25477-1] c 33 N82-22437

SERVO MECHANISMS

Interferometer servo system Patent
[NASA-CASE-NPO-10300] c 14 N71-17662

Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952

A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613

Ball screw linear actuator
[NASA-CASE-NPO-11222] c 15 N72-25456

Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855

Hydraulic drain means for servo-systems
[NASA-CASE-NPO-10316-1] c 37 N77-22479

Actuator mechanism
[NASA-CASE-GSC-11883-2] c 37 N78-31426

Apparatus for providing a servo drive signal in a
high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348

Automated syringe sampler --- remote sampling of air
and water
[NASA-CASE-LAR-12308-1] c 35 N81-29407

Electrical servo actuator bracket --- fuel control valves
on jet engines
[NASA-CASE-FRC-11044-1] c 37 N81-33483

A simplified power factor controller with increased
energy saving circuit
[NASA-CASE-MFS-25323-1] c 33 N82-12349

Hydraulic actuator mechanism to control aircraft spoiler
movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

Servomechanism for Doppler shift compensation in
optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975

SERVO MOTORS

Automatic closed circuit television arc guidance control
Patent
[NASA-CASE-MFS-13046] c 07 N71-19433

Transistor servo system including a unique differential
amplifier circuit Patent
[NASA-CASE-XMF-05195] c 10 N71-24861

Cyclically operable optical shutter
[NASA-CASE-NPO-10758] c 14 N73-14427

Rotary actuator
[NASA-CASE-NPO-10680] c 31 N73-14855

Velocity servo for continuous scan Fourier interference
spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563

SEWAGE TREATMENT

Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634

SHAFTS (MACHINE ELEMENTS)

Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505

Elastic universal joint Patent
[NASA-CASE-XNP-00416] c 15 N70-36947

Apparatus for absorbing and measuring power Patent
[NASA-CASE-XLE-00720] c 14 N70-40201

Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073

Ratchet mechanism Patent
[NASA-CASE-MFS-12805] c 15 N71-17805

Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467

Spiral groove seal
[NASA-CASE-XLE-10326-2] c 15 N72-29488

High speed hybrid bearing comprising a fluid bearing
and a rolling bearing connected in series
[NASA-CASE-LEW-11152-1] c 15 N73-32359

Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474

Hole cutter --- drill bits and rotating shaft
[NASA-CASE-MFS-22649-1] c 37 N75-25186

Twin-capacitive shaft angle encoder with analog output
signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404

Counter pumping debris excluder and separator --- gas
turbine shaft seals
[NASA-CASE-LEW-11855-1] c 07 N78-25090

Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377

Shaft seal assembly for high speed and high pressure
applications
[NASA-CASE-LEW-11873-1] c 37 N79-22475

Speed control device for a heavy duty shaft --- solar
sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364

Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370

Circumferential shaft seal
[NASA-CASE-LEW-12119-2] c 37 N81-26447

Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473

Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493

Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 44 N82-29713

SHALE OIL

In-situ laser retorting of oil shale
[NASA-CASE-LEW-12217-1] c 43 N78-14452

SHALES

Coal-shale interface detection
[NASA-CASE-MFS-23720-3] c 43 N79-25443

Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423

Coal-shale interface detector
[NASA-CASE-MFS-23720-1] c 43 N80-23711

SHAPE CHARGES

Coupling for linear shaped charge Patent
[NASA-CASE-XLA-00189] c 33 N70-36846

Lateral displacement system for separated rocket stages
Patent
[NASA-CASE-XLA-04804] c 31 N71-23008

SHAPERS

Mandrel for shaping solid propellant rocket fuel into a
motor casing Patent
[NASA-CASE-XLA-00304] c 27 N70-34783

Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536

Dielectric molding apparatus Patent
[NASA-CASE-LAR-10121-1] c 15 N71-26721

SHARKS

Process for conditioning tanned sharkskin and articles
made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545

SHARPNESS

Method of forming a sharp edge on an optical device
[NASA-CASE-GSC-12348-1] c 74 N80-24149

SHEAR CREEP

Instrument for measuring torsional creep and recovery
Patent
[NASA-CASE-XLE-01481] c 14 N71-10781

SHEAR FLOW

Shear modulated fluid amplifier Patent
[NASA-CASE-MFS-10412] c 12 N71-17578

SHEAR PROPERTIES

Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584

SHEAR STRESS

Fatigue-resistant shear pin
[NASA-CASE-XLA-09122] c 15 N69-27505

Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410

Bonded joint and method --- for reducing peak shear
stress in adhesive bonds
[NASA-CASE-LAR-10900-1] c 37 N74-23064

SHEARING

Longwall shearer tracking system
[NASA-CASE-MFS-25717-1] c 43 N83-14607

Elastomer coated filler and composites thereof
comprising at least 60% by weight of a hydrated filler and
an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

SHELLS (STRUCTURAL FORMS)

Channel-type shell construction for rocket engines and
the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860

Ring-cusp ion thruster with shell anode
[NASA-CASE-LEW-13881-1] c 72 N83-21903

SHIELDING

Spherical shield Patent
[NASA-CASE-XNP-01855] c 15 N71-28937

Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198

System for the measurement of ultra-low stray light levels
--- determining the adequacy of large space telescope
systems
[NASA-CASE-MFS-23513-1] c 74 N79-11865

SHIFT REGISTERS

Binary to binary-coded-decimal converter Patent
[NASA-CASE-XNP-00432] c 08 N70-35423

Linear three-tap feedback shift register Patent
[NASA-CASE-NPO-10351] c 08 N71-12503

Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897

Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199

Feedback shift register with states decomposed into
cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167

MOD 2 sequential function generator for multibit binary
sequence
[NASA-CASE-NPO-10636] c 08 N72-25210

Pseudonoise sequence generators with three tap linear
feedback shift registers
[NASA-CASE-NPO-11406] c 08 N73-12175

A m-ary linear feedback shift register with binary logic
[NASA-CASE-NPO-11868] c 10 N73-20254

Counting digital filters
[NASA-CASE-NPO-11821-1] c 08 N73-26175

Event sequence detector
[NASA-CASE-NPO-11703-1] c 10 N73-32144

Method and apparatus for decoding compatible
convolutional codes
[NASA-CASE-MSC-14070-1] c 32 N74-32598

Nonlinear nonsingular feedback shift registers
[NASA-CASE-NPO-13451-1] c 33 N76-14373

Selective data segment monitoring system --- using shift
registers
[NASA-CASE-ARC-10899-1] c 60 N77-19760

Digital data reformatter/deserializer
[NASA-CASE-NPO-13676-1] c 60 N79-20751

SHOCK ABSORBERS

Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159

Frangible tube energy dissipation Patent
[NASA-CASE-XLA-00754] c 15 N70-34850

Shock absorbing support and restraint means Patent
[NASA-CASE-XMS-01240] c 05 N70-35152

Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679

Landing pad assembly for aerospace vehicles Patent
[NASA-CASE-XMF-02853] c 31 N70-36654

Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845

Double-acting shock absorber Patent
[NASA-CASE-XMF-01045] c 15 N70-40354

Articulated multiple couch assembly Patent
[NASA-CASE-MSC-11253] c 05 N71-12343

Shock absorber Patent
[NASA-CASE-XMS-03722] c 15 N71-21530

Impact energy absorber Patent
[NASA-CASE-XLA-01530] c 14 N71-23092

Low onset rate energy absorber
[NASA-CASE-MSC-12279] c 15 N72-17450

Impact energy absorbing system utilizing fractureable
material
[NASA-CASE-NPO-10671] c 15 N72-20443

Translatory shock absorber for attitude sensors
[NASA-CASE-MFS-22905-1] c 19 N76-22284

Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420

Variable response load limiting device --- for aircraft
seats
[NASA-CASE-LAR-12801-1] c 37 N82-20544

SHOCK LOADS

Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612

SHOCK MEASURING INSTRUMENTS

Semiconductor projectile impact detector
[NASA-CASE-MFS-23008-1] c 35 N78-18390

SHOCK RESISTANCE

Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409

Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584

Thermal shock and erosion resistant tantalum carbide
ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

SHOCK TUBES

- Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

SHOCK TUBES

- Means for controlling rupture of shock tube diaphragms
Patent
[NASA-CASE-XAC-00731] c 11 N71-15960
Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
Annular arc accelerator shock tube
[NASA-CASE-NPO-13528-1] c 09 N77-10071

SHOCK WAVE INTERACTION

- Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563

SHOCK WAVE LUMINESCENCE

- Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896

SHOCK WAVE PROFILES

- Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896
Adapter for mounting microphone flush with the external surface of the skin of a pressurized aircraft
[NASA-CASE-FRC-11072-1] c 35 N82-24474

SHOCK WAVES

- Shock tube powder dispersing apparatus Patent
[NASA-CASE-XLE-04946] c 17 N71-22491
Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439
Synthesis of superconducting compounds by explosive compaction of powders
[NASA-CASE-MFS-20861-1] c 18 N73-32437
Shock position sensor for supersonic inlets — measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431

SHOES

- Jet shoes
[NASA-CASE-XLA-08491] c 05 N69-21380

SHORT CIRCUITS

- Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Triode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898
Analog to digital converter tester Patent
[NASA-CASE-XLA-06713] c 14 N71-28991
Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

SHOT PEENING

- Method of peening and portable peening gun
[NASA-CASE-MFS-23047-1] c 37 N76-18454

SHROUDED NOZZLES

- Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121

SHROUDED TURBINES

- Composite seal for turbomachinery — backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Gas path seal
[NASA-CASE-NPO-12131-3] c 37 N80-18400
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

SHROUDS

- Composite powerplant and shroud therefor Patent
[NASA-CASE-XLA-01043] c 28 N71-10780
Composite seal for turbomachinery — backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
Active clearance control system for a turbomachine
[NASA-CASE-LEW-12938-1] c 07 N82-32366
Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714

SHUTTERS

- High speed shutter — electrically actuated ribbon loop for shuttering optical or fluid passageways
[NASA-CASE-ARC-10516-1] c 70 N74-21300

SHUTTLE DERIVED VEHICLES

- Three stage rocket vehicle with parallel staging — space transportation system
[NASA-CASE-MFS-25878-1] c 18 N83-12138

SIDE INLETS

- Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

SIDE BANDS

- Phase-locked loop with sideband rejecting properties
Patent
[NASA-CASE-XNP-02723] c 07 N70-41680

SIDELOBE REDUCTION

- Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907

SIGNAL ANALYSIS

- Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852
Method and apparatus for a single channel digital communications system — synchronization of received PCM signal by digital correlation with reference signal
[NASA-CASE-NPO-11302-2] c 32 N74-10132
Differential phase shift keyed signal resolver
[NASA-CASE-MSC-14066-1] c 33 N74-27705
Correlation type phase detector — with time correlation integrator for frequency multiplexed signals
[NASA-CASE-GSC-11744-1] c 33 N75-26243
Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372
Digital plus analog output encoder
[NASA-CASE-GSC-12115-1] c 62 N76-31946
Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323

SIGNAL ANALYZERS

- System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
Sampled data controller Patent
[NASA-CASE-GSC-10554-1] c 08 N71-29033
Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257
Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240
Pulse stretcher for narrow pulses
[NASA-CASE-MSC-14130-1] c 33 N74-32711
Electronic optical transfer function analyzer
[NASA-CASE-MFS-21672-1] c 74 N76-19935
Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

SIGNAL DETECTION

- Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Method of detecting impending saturation of magnetic cores
[NASA-CASE-ERC-10089] c 23 N72-17747
Anti-multipath digital signal detector
[NASA-CASE-LAR-11827-1] c 32 N77-10392
Multiple rate digital command detection system with range clean-up capability
[NASA-CASE-NPO-13753-1] c 32 N77-20289
Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
Receiving and tracking phase modulated signals
[NASA-CASE-MSC-16170-2] c 32 N81-16338

SIGNAL DETECTORS

- Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
Pulse amplitude and width detector Patent
[NASA-CASE-XMF-06519] c 09 N71-12519
System for monitoring the presence of neutrals in a stream of ions Patent
[NASA-CASE-XNP-02592] c 24 N71-20518
Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138
Coal-shale interface detection system
[NASA-CASE-MFS-23720-2] c 43 N80-14423
Pulse transducer with artifact signal attenuator — heart rate sensors
[NASA-CASE-FRC-11012-1] c 52 N80-23969
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
Maser amplifier slow wave structure — detecting weak signals from spacecraft
[NASA-CASE-NPO-15211-1] c 36 N81-24425
Trac failure detector
[NASA-CASE-MFS-25607-1] c 33 N82-26574

SIGNAL DISTORTION

- Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249

SIGNAL ENCODING

- Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
Self-calibrating threshold detector
[NASA-CASE-MSC-16370-1] c 35 N81-19427
Random digital encryption secure communication system
[NASA-CASE-MSC-16462-1] c 32 N82-31583

SIGNAL GENERATORS

- Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21467
Signal generator
[NASA-CASE-XNP-05612] c 09 N69-21468
Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174
Controllers Patent
[NASA-CASE-XMS-07487] c 15 N71-23255
Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545
Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
Multialarm summary alarm Patent
[NASA-CASE-XLE-03061-1] c 10 N71-24798
Adaptive system and method for signal generation Patent
[NASA-CASE-GSC-11367] c 10 N71-26374
Voltage dropout sensor Patent
[NASA-CASE-KSC-10020] c 10 N71-27338
System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N72-11150
Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165
Hall effect transducer
[NASA-CASE-LAR-10620-1] c 09 N72-25255
Gunn-type solid state devices
[NASA-CASE-XER-07895] c 26 N72-25679
Audio frequency marker system
[NASA-CASE-NPO-11147] c 14 N72-27408
Digital servo control of random sound test excitation — in reverberant acoustic chamber
[NASA-CASE-NPO-11623-1] c 71 N74-31148
Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Pseudo-noise test set for communication system evaluation — test signals
[NASA-CASE-MFS-22671-1] c 35 N75-21582
NDIR gas analyzer based on absorption modulation ratios for known and unknown samples
[NASA-CASE-ARC-10802-1] c 35 N75-30502
Twin-capacitive shaft angle encoder with analog output signal
[NASA-CASE-ARC-10897-1] c 33 N77-31404
Apparatus for providing a servo drive signal in a high-speed stepping interferometer
[NASA-CASE-NPO-13569-2] c 35 N79-14348
Versatile LDV burst simulator
[NASA-CASE-LAR-11859-1] c 35 N79-14349
Underwater seismic source — for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555
Frequency translating phase conjugation circuit for active retrodirective antenna array — microwave transmission
[NASA-CASE-NPO-14536-1] c 32 N81-14185
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N81-31481
Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716
Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294
Inflight IFR procedures simulator
[NASA-CASE-KSC-11218-1] c 09 N82-29331
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345

SIGNAL MIXING

- Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
Baseband signal combiner for large aperture antenna array
[NASA-CASE-NPO-14641-1] c 32 N81-29308

SIGNAL PROCESSING

- Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266
Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300

Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537

Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476

Sidereal frequency generator Patent
[NASA-CASE-XGS-02610] c 14 N71-23174

Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669

Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622

Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742

Electronic scanning of 2-channel monopulse patterns Patent
[NASA-CASE-GSC-10299-1] c 09 N71-24804

Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806

Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865

Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866

Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142

Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266

Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138

Digital pulse width selection circuit Patent
[NASA-CASE-XLA-07788] c 09 N71-29139

Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172

Contourgraph system for monitoring electrocardiograms
[NASA-CASE-MS-C-13407-1] c 10 N72-20225

Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119

Logarithmic function generator utilizing an exponentially varying signal in an inverse manner
[NASA-CASE-ERC-10267] c 09 N72-23173

Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172

Data processor with conditionally supplied clock signals
[NASA-CASE-GSC-10975-1] c 08 N73-13187

Multichannel telemetry system
[NASA-CASE-NPO-11572] c 07 N73-16121

Measurement system
[NASA-CASE-MFS-20658-1] c 14 N73-30386

Digital to analog conversion apparatus
[NASA-CASE-MS-C-12458-1] c 08 N73-32081

Fluid pressure amplifier and system
[NASA-CASE-LAR-10868-1] c 33 N74-11050

Low level signal limiter
[NASA-CASE-XLE-04791] c 32 N74-22096

Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625

Apparatus and method for processing Korotkov sounds --- for blood pressure measurement
[NASA-CASE-MS-C-13999-1] c 52 N74-26626

Pulse stretcher for narrow pulses
[NASA-CASE-MS-C-14130-1] c 33 N74-32711

Continuous Fourier transform method and apparatus --- for the analysis of simultaneous analog signal components
[NASA-CASE-ARC-10466-1] c 60 N75-13539

Signal conditioning circuit apparatus --- with constant input impedance
[NASA-CASE-ARC-10348-1] c 33 N75-19518

Television noise reduction device
[NASA-CASE-MS-C-12607-1] c 32 N75-21485

Isolated output system for a class D switching-mode amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429

Compact bi-phase pulse coded modulation decoder
[NASA-CASE-KSC-10834-1] c 33 N76-14371

Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366

System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517

Three phase full wave dc motor decoder
[NASA-CASE-GSC-11824-1] c 33 N77-26386

Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131

Analog to digital converter for two-dimensional radiant energy array computers
[NASA-CASE-GSC-11839-3] c 60 N77-32731

Hearing aid malfunction detection system
[NASA-CASE-MS-C-14916-1] c 33 N78-10375

Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319

Quadrature demodulation
[NASA-CASE-GSC-12137-1] c 33 N78-32338

Bit error rate measurement above and below bit rate tracking threshold
[NASA-CASE-MS-C-12743-1] c 32 N79-10263

Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-1] c 32 N79-19195

Electrochemical detection device --- for use in microbiology
[NASA-CASE-LAR-11922-1] c 25 N79-24073

Scannable beam forming interferometer antenna array system
[NASA-CASE-GSC-12365-1] c 32 N80-28578

System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584

Interferometric angle monitor
[NASA-CASE-GSC-12614-1] c 35 N81-12386

Navigation system and method
[NASA-CASE-GSC-12508-1] c 04 N81-26085

CCD correlated quadruple sampling processor
[NASA-CASE-NPO-14426-1] c 33 N81-27396

Interleaving device
[NASA-CASE-GSC-12111-2] c 33 N81-29342

Wideband passive synthetic-aperture multichannel receiver
[NASA-CASE-NPO-15651-1] c 32 N82-26523

Television camera video level control system --- space shuttle orbiters
[NASA-CASE-MS-C-18578-1] c 74 N82-27121

Reconfiguring redundancy management
[NASA-CASE-MS-C-18498-1] c 60 N82-29013

Discriminator aided phase lock acquisition for suppressed carrier signals
[NASA-CASE-NPO-14311-1] c 33 N82-29539

Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323

Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950

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Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911

Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267

Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841

Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852

Optimum predetection diversity receiving system Patent
[NASA-CASE-XGS-00740] c 07 N71-23098

Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741

Antenna array phase quadrature tracking system Patent
[NASA-CASE-MS-C-12205-1] c 07 N71-27056

Electricity measurement devices employing liquid crystalline materials
[NASA-CASE-ERC-10275] c 26 N72-25680

Filter for third order phase locked loops
[NASA-CASE-NPO-11941-1] c 10 N73-27171

Ferrofluidic solenoid
[NASA-CASE-NPO-11738-1] c 09 N73-30185

Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391

Receiving and tracking phase modulated signals
[NASA-CASE-MS-C-16170-2] c 32 N81-16338

Faraday rotation measurement method and apparatus
[NASA-CASE-NPO-14839-1] c 35 N82-15381

A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995

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Reflectometer for receiver input impedance match measurement Patent
[NASA-CASE-XNP-10843] c 07 N71-11267

Reflex feed system for dual frequency antenna with frequency cutoff means
[NASA-CASE-NPO-14022-1] c 32 N78-31321

Doppler radar having phase modulation of both transmitted and reflected return signals --- ranging/finding
[NASA-CASE-MS-C-18675-1] c 32 N81-29312

SIGNAL STABILIZATION

Linear accelerator frequency control system Patent
[NASA-CASE-XGS-05441] c 10 N71-22962

Digital modulator and demodulator Patent
[NASA-CASE-ERC-10041] c 08 N71-29138

System for interference signal nulling by polarization adjustment
[NASA-CASE-NPO-13140-1] c 32 N75-24982

Fiber optic transmission line stabilization apparatus and method
[NASA-CASE-NPO-15036-1] c 74 N82-19029

Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 36 N82-28619

SIGNAL TO NOISE RATIOS

System for improving signal-to-noise ratio of a communication signal Patent Application
[NASA-CASE-MS-C-12259-1] c 07 N70-12616

Radar ranging receiver Patent
[NASA-CASE-XNP-00748] c 07 N70-36911

Phase detector assembly Patent
[NASA-CASE-XMF-00701] c 09 N70-40272

Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791

Signal ratio system utilizing voltage controlled oscillators Patent
[NASA-CASE-XMF-04367] c 09 N71-23545

Recorder using selective noise filter
[NASA-CASE-ERC-10112] c 07 N72-21119

Parametric amplifiers with idler circuit feedback
[NASA-CASE-LAR-10253-1] c 09 N72-25258

System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MS-C-12259-2] c 07 N72-33146

Signal-to-noise ratio determination circuit
[NASA-CASE-GSC-11239-1] c 10 N73-25241

Gated compressor, distortionless signal limiter
[NASA-CASE-NPO-11820-1] c 32 N74-19788

SIGNAL TRANSMISSION

Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974

Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent
[NASA-CASE-XAC-00086] c 09 N70-33182

Bi-carrier demodulator with modulation Patent
[NASA-CASE-XMF-01160] c 07 N71-11298

Bi-polar phase detector and corrector for split phase PCM data signals Patent
[NASA-CASE-XGS-01590] c 07 N71-12392

Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791

Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814

Adaptive tracking notch filter system Patent
[NASA-CASE-XMF-01892] c 10 N71-22986

Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent
[NASA-CASE-XGS-03632] c 09 N71-23311

Junction range finder
[NASA-CASE-KSC-10108] c 14 N73-25461

Television multiplexing system
[NASA-CASE-KSC-10654-1] c 07 N73-30115

Controlled oscillator system with a time dependent output frequency
[NASA-CASE-NPO-11962-1] c 33 N74-10194

Pulse code modulated signal synchronizer
[NASA-CASE-MS-C-12462-1] c 32 N74-20809

Pulse code modulated signal synchronizer
[NASA-CASE-MS-C-12494-1] c 32 N74-20810

Digital transmitter for data bus communications system
[NASA-CASE-MS-C-14558-1] c 32 N75-21486

Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems
[NASA-CASE-GSC-11743-1] c 32 N75-24981

Method and apparatus for background signal reduction in opto-acoustic absorption measurement
[NASA-CASE-NPO-13683-1] c 35 N77-14411

Automatic transponder --- measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350

Fiber optic multiplex optical transmission system
[NASA-CASE-KSC-11047-1] c 74 N78-14889

Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310

Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186

Digital numerically controlled oscillator
[NASA-CASE-MS-C-16747-1] c 33 N81-17349

Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N83-19969

SIGNATURE ANALYSIS

Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288

SILANES

- Elastomeric silazane polymers and process for preparing the same Patent
[NASA-CASE-XMF-04133] c 06 N71-20717
Process for preparation of dianilinosilanes Patent
[NASA-CASE-XMF-06409] c 06 N71-23230
Process for preparation of high-molecular-weight polyaryloxysilanes Patent
[NASA-CASE-XMF-08674] c 06 N71-28807
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
Thermal reactor — liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501

SILICA GEL

- Gels as battery separators for soluble electrode cells
[NASA-CASE-LEW-12364-1] c 44 N77-22606

SILICA GLASS

- Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454
High modulus rare earth and beryllium containing silicate glass compositions — for glass reinforcing fibers
[NASA-CASE-HQN-10595-1] c 27 N82-29455

SILICATES

- Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

SILICIDES

- Silicide coatings for refractory metals Patent
[NASA-CASE-XLE-10910] c 18 N71-29040
Fused silicide coatings containing discrete particles for protecting niobium alloys — used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LEW-11179-1] c 27 N76-16229

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- Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560
Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292
Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449
Covered silicon solar cells and method of manufacture — with polymere films
[NASA-CASE-LEW-11065-2] c 44 N76-14600
Method of controlling defect orientation in silicon crystal ribbon growth
[NASA-CASE-NPO-13918-1] c 76 N79-11920
Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229
Method of producing silicon — gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231
System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469
A method of increasing minority carrier lifetime in silicon web or the like — VLSI semiconductor devices and high performance solar cells
[NASA-CASE-NPO-15530-1] c 76 N82-24993
Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629
Process and apparatus for growing a crystal ribbon — for use in photovoltaic cells
[NASA-CASE-NPO-15629-1] c 44 N82-26779
Method of protecting a surface with a silicon-slurry/aluminate coating — coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Thermal reactor — liquid silicon production from silane gas
[NASA-CASE-NPO-14369-1] c 44 N83-10501
Apparatus and method to keep the walls of a free space reactor free from deposits of solid materials
[NASA-CASE-NPO-15851-1] c 73 N83-12986
- SILICON CARBIDES**
A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
- Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
Process for fabricating SiC semiconductor devices
[NASA-CASE-LEW-12094-1] c 76 N76-25049
Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798
High temperature silicon carbide impregnated insulating fabrics
[NASA-CASE-MSC-18832-1] c 27 N83-18908
- SILICON COMPOUNDS**
Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607
Polymerizable disilanol having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979-2] c 06 N73-32030
Infusible silazane polymer and process for producing same — protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190
- SILICON CONTROLLED RECTIFIERS**
Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
Reversible ring counter employing cascaded single SCR stages Patent
[NASA-CASE-XGS-01473] c 09 N71-10673
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
Combinational logic for generating gate drive signals for phase control rectifiers
[NASA-CASE-MFS-25208-1] c 33 N83-10345
- SILICON DIOXIDE**
Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906
Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
Silica reusable surface insulation
[NASA-CASE-ARC-10721-1] c 27 N76-22376
Two-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-1] c 27 N76-22377
Transmitting and reflecting diffuser — using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N78-15879
Field effect transistor and method of construction thereof
[NASA-CASE-MFS-23312-1] c 33 N78-27326
Fibrous refractory composite insulation — shielding reusable spacecraft
[NASA-CASE-ARC-11169-1] c 24 N79-24062
Apparatus and method for heating a material in a transparent ampoule — crystal growth
[NASA-CASE-MFS-25436-1] c 76 N81-30012
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[NASA-CASE-LEW-13080-2] c 27 N82-11210
Attachment system for silica tiles — thermal protection for space shuttle orbiter
[NASA-CASE-MSC-18741-1] c 27 N82-29456
- SILICON FILMS**
A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
Piezoelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
- SILICON JUNCTIONS**
Radiation resistant silicon semiconductor devices Patent
[NASA-CASE-XGS-07801] c 09 N71-12513
- SILICON NITRIDES**
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580
Sandblasting nozzle
[NASA-CASE-NPO-13823-1] c 37 N81-25371
- SILICON OXIDES**
Three-component ceramic coating for silica insulation
[NASA-CASE-MSC-14270-2] c 27 N76-23426
- SILICON POLYMERS**
Oxygen post-treatment of plastic surface coated with plasma polymerized silicon-containing monomers
[NASA-CASE-ARC-10915-2] c 27 N79-18052
- SILICON RADIATION DETECTORS**
Thin window, drifted silicon, charged particle detector
[NASA-CASE-XLE-10529] c 14 N69-23191
Biomedical radiation detecting probe Patent
[NASA-CASE-XMS-01177] c 05 N71-19440

SILICON TRANSISTORS

- Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259
Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457

SILICONE RESINS

- Vacuum pressure molding technique
[NASA-CASE-LAR-10073-1] c 37 N76-24575

SILICONES

- Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536

SILICONIZING

- Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent
[NASA-CASE-XLA-00284] c 15 N71-16075

SILOXANES

- Synthesis of siloxane-containing epoxy polymers Patent
[NASA-CASE-MFS-13994-1] c 06 N71-11240
Method of producing alternating ether siloxane copolymers Patent
[NASA-CASE-XMF-02584] c 06 N71-20905
Siloxane containing epoxide compounds
[NASA-CASE-MFS-13994-2] c 06 N72-25148
Phenylphenylsiloxane polymers having in-chain perfluoroalkyl groups
[NASA-CASE-MFS-20979] c 06 N72-25151
Low outgassing polydimethylsiloxane material and preparation thereof
[NASA-CASE-GSC-11358-1] c 06 N73-26100
Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389

SILVER

- Method of making dry electrodes
[NASA-CASE-FRC-10029-2] c 05 N72-25121

SILVER ALLOYS

- Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126

SILVER CHLORIDES

- Electrode for biological recording
[NASA-CASE-XKS-02872] c 05 N69-21925
Bonding graphite with fused silver chloride
[NASA-CASE-XGS-00963] c 15 N69-39735

SILVER COMPOUNDS

- Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718

SILVER ZINC BATTERIES

- Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
Additive for zinc electrodes
[NASA-CASE-LEW-13286-1] c 44 N81-27597

SIMULATION

- Lower body negative pressure apparatus
[NASA-CASE-MSC-20202-1] c 54 N83-18254

SIMULATORS

- Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223
Phonocardiogram simulator Patent
[NASA-CASE-XKS-10804] c 05 N71-24606
Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
Laser Doppler velocity simulator — to induce frequency shift
[NASA-CASE-LAR-12176-1] c 36 N80-16321

SINE SERIES

- Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-10503-1] c 09 N72-21248
Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
Magnetic heading reference
[NASA-CASE-LAR-12638-1] c 44 N82-24716

SINE WAVES

- Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223
Electro-mechanical sine/cosine generator
[NASA-CASE-LAR-11389-1] c 33 N77-26387

SINGLE CRYSTALS

- Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199
Hall effect magnetometer
[NASA-CASE-LEW-11632-2] c 35 N75-13213
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements
[NASA-CASE-LAR-11144-1] c 25 N75-26043

Method for the preparation of inorganic single crystal and polycrystalline electronic materials
[NASA-CASE-XLE-02545-1] c 76 N79-21910

Growth of silicon carbide crystals on a seed while pulling silicon crystals from a melt
[NASA-CASE-NPO-13969-1] c 76 N79-23798

Total immersion crystal growth — using a melt covered with an encapsulating fluid
[NASA-CASE-NPO-15800-1] c 76 N83-15149

Method of making macrocrystalline or single crystal semiconductive material and products produced thereby — epitaxial substrates using low melting materials for photovoltaic cells
[NASA-CASE-NPO-15904-1] c 76 N83-21993

SINTERING
Condenser - Separator
[NASA-CASE-XLA-08645] c 15 N69-21465

Method of producing refractory bodies having controlled porosity Patent
[NASA-CASE-LEW-10393-1] c 17 N71-15468

Electrodes for solid state devices
[NASA-CASE-XLA-15161-1] c 33 N82-26575

SIZE (DIMENSIONS)
Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535

SIZE DETERMINATION
Impact measuring technique
[NASA-CASE-LAR-10913] c 14 N72-16282

Small conductive particle sensor — microfiber size determination
[NASA-CASE-LAR-12552-1] c 35 N82-11431

SIZE SEPARATION
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114-2] c 15 N71-26148

Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036

SIZING (SHAPING)
Method and apparatus for precision sizing and joining of large diameter tubes Patent
[NASA-CASE-XMF-05114] c 15 N71-17650

SIZING SCREENS
Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966

Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483

SKEWNESS
Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420

Automatic character skew and spacing checking network — of digital tape drive systems
[NASA-CASE-GSC-11925-1] c 33 N76-18353

SKID LANDINGS
Nose gear steering system for vehicle with main skids Patent
[NASA-CASE-XLA-01804] c 02 N70-34160

SKIN (ANATOMY)
Process for conditioning tanned sharkskin and articles made therefrom Patent
[NASA-CASE-XMS-09691-1] c 18 N71-15545

Percutaneous connector device
[NASA-CASE-KSC-10849-1] c 52 N77-14738

Medical diagnosis system and method with multispectral imaging — depth of burns and optical density of the skin
[NASA-CASE-NPO-14402-1] c 52 N81-27783

SKIN (STRUCTURAL MEMBER)
Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035

Fire extinguishing apparatus having a slidable mass for a penetrator nozzle — for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

SKIN FRICTION
Skin friction measuring device for aircraft
[NASA-CASE-FRC-11029-1] c 06 N81-17057

Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

Dual-beam skin friction interferometer
[NASA-CASE-ARC-11354-1] c 74 N83-21949

SKIN TEMPERATURE (BIOLOGY)
Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780

SKIN TEMPERATURE (NON-BIOLOGICAL)
Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085

SKIRTS
Inflatable transpiration cooled nozzle
[NASA-CASE-MFS-20619] c 28 N72-11708

SKY BRIGHTNESS
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N80-26992

SLEEP
EEG sleep analyzer and method of operation Patent
[NASA-CASE-MS-13282-1] c 05 N71-24729

SLEEVES

Energy absorbing device Patent
[NASA-CASE-XMF-10040] c 15 N71-22877

System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395

Prosthesis coupling
[NASA-CASE-KSC-11069-1] c 52 N79-26772

Fire extinguishing apparatus having a slidable mass for a penetrator nozzle — for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

SLENDER BODIES

A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540

SLENDER WINGS

Leading edge vortex flaps for drag reduction — during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016

SLICING

Method and apparatus for slicing crystals
[NASA-CASE-GSC-12291-1] c 76 N80-18951

System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703

Scrubber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469

Improved ingot slicing machine
[NASA-CASE-NPO-15483-1] c 37 N82-28642

Workpiece positioning vise
[NASA-CASE-GSC-12762-1] c 37 N82-29604

SLIDING CONTACT

Electrical connector pin with wiping action
[NASA-CASE-XMF-04238] c 09 N69-39734

Continuous turning slip ring assembly Patent
[NASA-CASE-XMF-01049] c 15 N71-23049

Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944

SLIDING FRICTION

Bearing material — composite material with low friction surface for rolling or sliding contact
[NASA-CASE-LEW-11930-1] c 24 N76-22309

SLIP CASTING

Process of casting heavy slips Patent
[NASA-CASE-XLE-00106] c 15 N71-16076

SLITS

Slit regulated gas journal bearing Patent
[NASA-CASE-XNP-00476] c 15 N70-38620

Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059

Dual acting slit control mechanism
[NASA-CASE-LAR-11370-1] c 35 N80-28686

SLOPES

Penetrometer — for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367

Family of airfoil shapes for rotating blades — for increased power efficiency and blade stability
[NASA-CASE-LAR-12843-1] c 05 N82-33372

SLOT ANTENNAS

Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148

Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247

Circularly polarized antenna
[NASA-CASE-ERC-10214] c 09 N72-31235

Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864

Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330

Spiral slotted phased antenna array
[NASA-CASE-MS-18532-1] c 32 N82-27558

SLOTS

Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504

Direct lift control system Patent
[NASA-CASE-LAR-10249-1] c 02 N71-26110

Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386

Method and tool for machining a transverse slot about a bore
[NASA-CASE-LAR-11855-1] c 37 N81-14319

SLUDGE

Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634

SLURRY PROPELLANTS

Apparatus for making a metal slurry product Patent
[NASA-CASE-XLE-00010] c 15 N70-33382

SMOKE

Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852

Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656

Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418

SODIUM CHLORIDES

Diffuse reflective coating
[NASA-CASE-GSC-11214-1] c 06 N73-13128

Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644

SODIUM VAPOR

Method of producing silicon — gas phase reactor multiple injector liquid feed system
[NASA-CASE-NPO-14382-1] c 31 N80-18231

SOFT LANDING

Non-reusable kinetic energy absorber Patent
[NASA-CASE-XLE-00810] c 15 N70-34861

Space craft soft landing system Patent
[NASA-CASE-XMF-02108] c 31 N70-36845

Omnidirectional multiple impact landing system Patent
[NASA-CASE-XLA-09881] c 31 N71-16085

SOFT LANDING SPACECRAFT

Pivotal shock absorbing pad assembly Patent
[NASA-CASE-XMF-03856] c 31 N70-34159

SOIL MECHANICS

Penetrometer — for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367

SOIL MOISTURE

Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

SOIL SCIENCE

Soil penetrometer
[NASA-CASE-XNP-05530] c 14 N73-32321

System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584

SOILS

Screen particle separator
[NASA-CASE-XNP-09770-2] c 15 N72-22483

Burrowing apparatus
[NASA-CASE-XNP-07169] c 15 N73-32362

Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529

SOL-GEL PROCESSES

Alkali-metal silicate binders and methods of manufacture
[NASA-CASE-GSC-12303-1] c 24 N79-31347

SOLAR ACTIVITY

Method and apparatus for measuring solar activity and atmospheric radiation effects
[NASA-CASE-ERC-10276] c 14 N73-26432

SOLAR ARRAYS

Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874

Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053

Solar energy powered heliostope
[NASA-CASE-GSC-10945-1] c 21 N72-31637

Method of making silicon solar cell array — and mounting on flexible substrate
[NASA-CASE-LEW-11069-1] c 44 N74-14784

Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601

Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515

Solar array strip and a method for forming the same
[NASA-CASE-NPO-13652-1] c 44 N79-17314

Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179

Bonding machine for forming a solar array strip
[NASA-CASE-NPO-13652-2] c 44 N79-24431

Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482

Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475

Method for forming a solar array strip
[NASA-CASE-NPO-13652-3] c 44 N80-14474

Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-17805

Electrical rotary joint apparatus for large space structures
[NASA-CASE-MFS-23981-1] c 07 N83-20944

SOLAR CELLS
Method for producing a solar cell having an integral protective covering
[NASA-CASE-XGS-04531] c 03 N69-24267

Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239

Attitude control for spacecraft Patent
[NASA-CASE-XNP-02982] c 31 N70-41855

Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578

Method of making a silicon semiconductor device Patent
[NASA-CASE-XLE-02792] c 26 N71-10607

Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049

Solar battery with interconnecting means for plural cells Patent
[NASA-CASE-XNP-06506] c 03 N71-11050

Solar cell submodule Patent
[NASA-CASE-XNP-05821] c 03 N71-11056

Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058

Solar cell matrix Patent
[NASA-CASE-NPO-10821] c 03 N71-19545

Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273

Method of making electrical contact on silicon solar cell and resultant product Patent
[NASA-CASE-XLE-04787] c 03 N71-20492

Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895

Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027

Gd or Sm doped silicon semiconductor composition Patent
[NASA-CASE-XLE-10715] c 26 N71-23292

Protection of serially connected solar cells against open circuits by the use of shunting diode Patent
[NASA-CASE-XLE-04535] c 03 N71-23354

Silicon solar cell with cover glass bonded to cell by metal pattern Patent
[NASA-CASE-XLE-08569] c 03 N71-23449

Semiconductor material and method of making same Patent
[NASA-CASE-XLE-02798] c 26 N71-23654

Method of attaching a cover glass to a silicon solar cell Patent
[NASA-CASE-XLE-08569-2] c 03 N71-24681

Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726

Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409

Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044

Recovery of radiation damaged solar cells through thermal annealing
[NASA-CASE-XGS-04047-2] c 03 N72-11062

Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031

Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033

Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041

Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042

Method of coating solar cell with borosilicate glass and resultant product
[NASA-CASE-GSC-11514-1] c 03 N72-24037

Apparatus for applying cover slides
[NASA-CASE-NPO-10575] c 03 N72-25019

Use of unilluminated solar cells as shunt diodes for a solar array
[NASA-CASE-GSC-10344-1] c 03 N72-27053

Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040

Method of making silicon solar cell array --- and mounting on flexible substrate
[NASA-CASE-LEW-11069-1] c 44 N74-14784

Covered silicon solar cells and method of manufacture --- with polymers films
[NASA-CASE-LEW-11065-2] c 44 N76-14600

Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635

Solar cell grid patterns
[NASA-CASE-NPO-13087-2] c 44 N76-31666

Photovoltaic cell array
[NASA-CASE-MFS-22458-1] c 44 N77-10635

Silicon nitride coated, plastic covered solar cell
[NASA-CASE-LEW-11496-1] c 44 N77-14580

Solar cell assembly --- for use under high intensity illumination
[NASA-CASE-LEW-11549-1] c 44 N77-19571

High voltage, high current Schottky barrier solar cell
[NASA-CASE-NPO-13482-1] c 44 N78-13526

Shunt regulation electric power system
[NASA-CASE-GSC-10135] c 33 N78-17296

Process for utilizing low-cost graphite substrates for polycrystalline solar cells
[NASA-CASE-GSC-12022-2] c 44 N78-24609

Method of making encapsulated solar cell modules
[NASA-CASE-LEW-12185-1] c 44 N78-25528

Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529

Hexagon solar power panel
[NASA-CASE-NPO-12148-1] c 44 N78-27515

Application of semiconductor diffusants to solar cells by screen printing
[NASA-CASE-LEW-12775-1] c 44 N79-11468

Method and apparatus for measuring minority carrier lifetimes and bulk diffusion length in P-N junction solar cells
[NASA-CASE-NPO-14100-1] c 44 N79-12541

Back wall solar cell
[NASA-CASE-LEW-12236-2] c 44 N79-14528

Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444

Solar cell module assembly jig
[NASA-CASE-XGS-00829-1] c 44 N79-19447

Double-sided solar cell package
[NASA-CASE-NPO-14199-1] c 44 N79-25482

Solar cell with improved N-region contact and method of forming the same
[NASA-CASE-NPO-14205-1] c 44 N79-31752

Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753

Self-reconfiguring solar cell system
[NASA-CASE-LEW-12586-1] c 44 N80-14472

Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551

Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552

Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741

Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835

Solar cell system having alternating current output
[NASA-CASE-LEW-12806-2] c 44 N81-12542

Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389

Copper doped polycrystalline silicon solar cell
[NASA-CASE-NPO-14670-1] c 44 N81-19558

Schottky barrier solar cell
[NASA-CASE-NPO-13689-2] c 44 N81-29525

High voltage V-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N82-24717

Efficiency of silicon solar cells containing chromium
[NASA-CASE-NPO-15179-1] c 44 N82-26777

Method of Fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780

Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709

High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764

Solar cell having improved back surface reflector
[NASA-CASE-LEW-13620-1] c 44 N83-13579

Heat transparent high intensity high efficiency solar cell
[NASA-CASE-LEW-12892-1] c 44 N83-14692

Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N83-20374

SOLAR COLLECTORS

Connector strips-positive, negative and T tabs
[NASA-CASE-XGS-01395] c 03 N69-21539

Device for directionally controlling electromagnetic radiation Patent
[NASA-CASE-XLE-01716] c 09 N70-40234

Roll-up solar array Patent
[NASA-CASE-NPO-10188] c 03 N71-20273

Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155

Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409

Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401

Solar cell shingle
[NASA-CASE-LEW-12587-1] c 44 N77-31601

Solar energy collection system
[NASA-CASE-NPO-13810-1] c 44 N77-32582

Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583

Portable linear-focused solar thermal energy collecting system
[NASA-CASE-NPO-13734-1] c 44 N78-10554

Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560

Low cost solar energy collection system
[NASA-CASE-NPO-13579-1] c 44 N78-17460

Selective coating for solar panels --- using black chrome and black nickel
[NASA-CASE-LEW-12159-1] c 44 N78-19599

Solar cell collector
[NASA-CASE-LEW-12552-1] c 44 N78-25527

Non-tracking solar energy collector system
[NASA-CASE-NPO-13813-1] c 44 N78-31526

Solar cells having integral collector grids
[NASA-CASE-LEW-12819-1] c 44 N79-11467

Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469

Non-tracking solar energy collector system
[NASA-CASE-NPO-13817-1] c 44 N79-11471

Solar cell collector and method for producing same
[NASA-CASE-LEW-12552-2] c 44 N79-11472

Electromagnetic radiation energy arrangement --- coatings for solar energy absorption and infrared reflection
[NASA-CASE-WOO-00428-1] c 32 N79-19186

Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481

Primary reflector for solar energy collection systems and method of making same
[NASA-CASE-NPO-13579-3] c 44 N79-24432

Solar energy collection system
[NASA-CASE-NPO-13579-2] c 44 N79-24433

Solar concentrator
[NASA-CASE-MFS-23727-1] c 44 N80-14473

Combined solar collector and energy storage system
[NASA-CASE-LAR-12205-1] c 44 N80-20810

Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518

Solar tracking system
[NASA-CASE-MFS-23999-1] c 44 N81-24520

Method of forming oxide coatings
[NASA-CASE-LEW-13132-1] c 44 N81-27616

Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776

Solar concentrator protective system
[NASA-CASE-NPO-15662-1] c 44 N82-28785

SOLAR ELECTRIC PROPULSION

Closed Loop solar array-ion thruster system with power control circuitry
[NASA-CASE-LEW-12780-1] c 20 N79-20179

SOLAR ENERGY

Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040

Solar energy power system --- using Freon
[NASA-CASE-MFS-21628-1] c 44 N75-32581

Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602

Solar photolysis of water
[NASA-CASE-NPO-13675-1] c 44 N77-32580

Three-dimensional tracking solar energy concentrator and method for making same
[NASA-CASE-NPO-13736-1] c 44 N77-32583

Solar heating system
[NASA-CASE-LAR-12009-1] c 44 N78-15560

Method for producing solar energy panels by automation
[NASA-CASE-LEW-12541-1] c 44 N78-25529

Method for making an aluminum or copper substrate panel for selective absorption of solar energy
[NASA-CASE-MFS-23518-1] c 44 N79-11469

Primary reflector for solar energy collection systems
[NASA-CASE-NPO-13579-4] c 44 N79-14529

Method of construction of a multi-cell solar array
[NASA-CASE-MFS-23540-1] c 44 N79-26475

Solar cell module
[NASA-CASE-NPO-14467-1] c 44 N79-31753

Solar energy modulator
[NASA-CASE-NPO-15388-1] c 44 N82-10496

A solar pumped laser
[NASA-CASE-LAR-12870-1] c 36 N82-25497

SOLAR ENERGY ABSORBERS

Panel for selectively absorbing solar thermal energy and the method of producing said panel
[NASA-CASE-MFS-22562-1] c 44 N76-14595

Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657

Solar energy trap
[NASA-CASE-MFS-22744-1] c 44 N76-24696

Solar cell shingle
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Radiator deployment actuator Patent
[NASA-CASE-MSC-11817-1] c 15 N71-26611

Inflatable tether Patent
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Expandable space frames
[NASA-CASE-ERC-10365-1] c 31 N73-32749

Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108

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[NASA-CASE-LAR-12095-1] c 31 N81-25258

Telescoping columns --- parabolic antenna support
[NASA-CASE-LAR-12195-1] c 31 N81-27324

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Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238

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Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203

Television simulation for aircraft and space flight Patent
[NASA-CASE-XFR-03107] c 09 N71-19449

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Helmet feedport
[NASA-CASE-XMS-09653] c 54 N78-17680

Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856

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Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108

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Thruster maintenance system Patent
[NASA-CASE-MFS-20325] c 28 N71-27095

High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460

Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N82-26464

Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N82-28640

Mechanical fastener
[NASA-CASE-LAR-12738-1] c 18 N82-33419

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Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774

Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189

Apparatus for assembling space structure
[NASA-CASE-MFS-23579-1] c 18 N79-11108

Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323

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[NASA-CASE-XAC-08494] c 30 N71-15990

Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813

A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884

SPACE NAVIGATION

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688

Dual purpose momentum wheels for spacecraft with magnetic recording
[NASA-CASE-NPO-11481] c 21 N73-13644

Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630

SPACE ORIENTATION

Method and apparatus for determining satellite orientation utilizing spatial energy sources Patent
[NASA-CASE-XGS-00466] c 21 N70-34297

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[NASA-CASE-NPO-16038-1] c 37 N83-20157

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[NASA-CASE-MFS-25242-1] c 35 N81-24413

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[NASA-CASE-MFS-25707-1] c 35 N82-26631

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[NASA-CASE-MFS-11133] c 31 N71-16222

Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 15 N82-28318

SPACE SHUTTLE ORBITERS

Surface conforming thermal/pressure seal --- tail assemblies of space shuttle orbiters
[NASA-CASE-MSC-18422-1] c 37 N82-16408

High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460

Television camera video level control system --- space shuttle orbiters
[NASA-CASE-MSC-18578-1] c 74 N82-27121

CAM controlled retractable door latch
[NASA-CASE-MSC-20304-1] c 37 N82-31690

Space Shuttle with improved external propellant tank
[NASA-CASE-MFS-25853] c 16 N83-13149

Prestressed thermal protection systems --- space shuttle orbiters
[NASA-CASE-MSC-20254-1] c 24 N83-17601

Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602

Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856

SPACE SHUTTLES

Flight craft Patent
[NASA-CASE-XAC-02058] c 02 N71-16087

A method of delivering a vehicle to earth orbit and returning the reusable portion thereof to earth
[NASA-CASE-MSC-12391] c 30 N73-12884

Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854

Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041

Fused silicide coatings containing discrete particles for protecting niobium alloys --- used in space shuttle thermal protection systems and turbine engine components
[NASA-CASE-LCW-11179-1] c 27 N76-16229

Device for coupling a first vehicle to a second vehicle
[NASA-CASE-GSC-12429-1] c 37 N81-14320

System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724

Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

Adjustable high emittance gap filler --- reentry shielding for space shuttle vehicles
[NASA-CASE-ARC-11310-1] c 27 N82-24339

Hemispherical latching apparatus for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31398

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SPACE SIMULATORS

Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675

Variable geometry manned orbital vehicle Patent
[NASA-CASE-XLA-03691] c 31 N71-15674

Space simulation and radiative property testing system and method Patent
[NASA-CASE-MFS-20096] c 14 N71-30026

Biocentrifuge system capable of exchanging specimen cages while in operational mode
[NASA-CASE-MFS-23825-1] c 51 N81-32829

SPACE STATIONS

Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676

Meteoroid impact position locator aid for manned space station
[NASA-CASE-LAR-10629-1] c 35 N75-33367

Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112

SPACE STORAGE

Hemispherical latching apparatus for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31398

SPACE SUITS

Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819

Space suit pressure stabilizer Patent
[NASA-CASE-XLA-05332] c 05 N71-11194

Equipotential space suit Patent
[NASA-CASE-LAR-10007-1] c 05 N71-11195

Biological isolation garment Patent
[NASA-CASE-MSC-12206-1] c 05 N71-17599

Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773

Space suit heat exchanger Patent
[NASA-CASE-XMS-09571] c 05 N71-19439

G conditioning suit Patent
[NASA-CASE-XLA-02898] c 05 N71-20268

Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161

Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256

Fabric for micrometeoroid protection garment Patent
[NASA-CASE-MSC-12109] c 18 N71-26285

Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333

Automatic control of liquid cooling garment by cutaneous and external auditory meatus temperatures
[NASA-CASE-MSC-13917-1] c 05 N72-15098

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097

Space suit having improved waist and torso movement
[NASA-CASE-ARC-10275-1] c 05 N72-22092

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125

Temperature controller for a fluid cooled garment
[NASA-CASE-ARC-10599-1] c 05 N73-26071

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Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405

Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679

Emergency space-suit helmet
[NASA-CASE-MSC-10954-1] c 54 N78-18761

Spacesuit mobility joints
[NASA-CASE-LAR-11058-1] c 54 N78-31735

Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736

Cooling system for removing metabolic heat from an hermetically sealed spacesuit
[NASA-CASE-ARC-11059-1] c 54 N78-32721

Spacesuit mobility knee joints
[NASA-CASE-LAR-11058-2] c 54 N79-24651

Absorbent product to absorb fluids --- for collection of human wastes
[NASA-CASE-MSC-18223-1] c 24 N82-29362

SPACE TOOLS

Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718

SPACE TRANSPORTATION SYSTEM

Coupling device for moving vehicles
[NASA-CASE-GSC-12322-1] c 37 N80-14398

Three stage rocket vehicle with parallel staging --- space transportation system
[NASA-CASE-MFS-25878-1] c 18 N83-12138

SPACE VEHICLE CHECKOUT PROGRAM

Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604

Electronic checkout system for space vehicles Patent
[NASA-CASE-XKS-08012-2] c 31 N71-15566

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High pressure gas filter system Patent
[NASA-CASE-MFS-12808] c 14 N71-17588

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Thermal control system
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Anastigmatic three-mirror telescope
[NASA-CASE-MFS-23675-1] c 89 N79-10969

Cooled echelle grating spectrometer --- for space telescope applications
[NASA-CASE-NPO-14372-1] c 35 N80-26635

Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015

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Interconnection of solar cells Patent
[NASA-CASE-XGS-01475] c 03 N71-11058

Attitude sensor for space vehicles Patent
[NASA-CASE-XLA-00793] c 21 N71-22880

Solar cell and circuit array and process for nullifying magnetic fields Patent
[NASA-CASE-XGS-03390] c 03 N71-23187

High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850

Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262

SPACECRAFT ANTENNAS

Parasitic probe antenna Patent
[NASA-CASE-XKS-09348] c 09 N71-13521

Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10948-1] c 07 N71-28965

Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136

Omnidirectional slot antenna for mounting on cylindrical space vehicle
[NASA-CASE-LAR-10163-1] c 09 N72-25247

Singly-curved reflector for use in high-gain antennas
[NASA-CASE-NPO-11361] c 07 N72-32169

Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176

Multi-channel rotating optical interface for data transmission
[NASA-CASE-NPO-14066-1] c 74 N79-34011

Antenna deployment mechanism for use with a spacecraft --- extensible and retractable telescopic antenna mast
[NASA-CASE-GSC-12331-1] c 18 N80-14183

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

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Thermal control wall panel Patent
[NASA-CASE-XLA-01243] c 33 N71-22792

Nonflammable coating compositions --- for use in high oxygen environments
[NASA-CASE-MFS-20486-2] c 27 N74-17283

Regenerable device for scrubbing breathable air of CO2 and moisture without special heat exchanger equipment
[NASA-CASE-MSC-14771-1] c 54 N77-32722

SPACECRAFT COMMUNICATION

Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974

Phase-shift data transmission system having a pseudo-noise SYNC code modulated with the data in a single channel Patent
[NASA-CASE-XNP-00911] c 08 N70-41961

Tracking receiver Patent
[NASA-CASE-XGS-08679] c 10 N71-21473

Omnidirectional microwave spacecraft antenna Patent
[NASA-CASE-XLA-03114] c 09 N71-22888

VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614

Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577

Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864

Switchable beamwidth monopulse method and system
[NASA-CASE-GSC-11924-1] c 33 N76-27472

Antenna feed system for receiving circular polarization and transmitting linear polarization
[NASA-CASE-NPO-14362-1] c 32 N80-16261

Common data buffer system --- communication with computational equipment utilized in spacecraft operations
[NASA-CASE-KSC-11048-1] c 62 N81-24779

Apparatus and method for determining the position of a radiant energy source
[NASA-CASE-GSC-12147-1] c 32 N81-27341

Electronic scanning spacecraft communication system
[NASA-CASE-NPO-15899-1] c 32 N83-19970

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Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737

Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673

Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906

Omnidirectional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788

Spacecraft airlock Patent
[NASA-CASE-XLA-02050] c 31 N71-22968

Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912

Redundant actuating mechanism Patent
[NASA-CASE-XGS-08718] c 15 N71-24600

Space simulator Patent
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Spacecraft Patent
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Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185

Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903

Scientific experiment flexible mount
[NASA-CASE-MSC-12372-1] c 31 N72-25842

Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136

Thrust-isolating mounting --- characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397

Variable ratio mixed-mode bilateral master-slave control system for shuttle remote manipulator system
[NASA-CASE-MSC-14245-1] c 18 N75-27041

High temperature penetrator assembly with bayonet plug and ramp-activated lock
[NASA-CASE-MSC-18526-1] c 37 N82-24494

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Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536

Space and atmospheric reentry vehicle Patent
[NASA-CASE-XGS-00260] c 31 N70-37924

Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582

Space shuttle vehicle and system
[NASA-CASE-MSC-12433] c 31 N73-14854

Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329

Space Shuttle with improved external propellant tank
[NASA-CASE-MSC-25853] c 16 N83-13149

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Pressurized cell micrometeoroid detector Patent
[NASA-CASE-XLA-00938] c 14 N71-14996

Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-NPO-08881] c 17 N71-28747

Method of making a composite sandwich lattice structure
[NASA-CASE-LAR-11899-2] c 24 N78-17149

SPACECRAFT CONTROL

Light sensitive digital aspect sensor Patent
[NASA-CASE-XGS-00359] c 14 N70-34158

Space vehicle attitude control Patent
[NASA-CASE-XNP-00465] c 21 N70-35395

Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804

Attitude control for spacecraft Patent
[NASA-CASE-XNP-00294] c 21 N70-36938

Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943

Hypersonic reentry vehicle Patent
[NASA-CASE-XMS-04142] c 31 N70-41631

Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856

Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771

Spacecraft experiment pointing and attitude control system Patent
[NASA-CASE-XLA-05464] c 21 N71-14132

Attitude control system Patent
[NASA-CASE-XGS-04393] c 21 N71-14159

Reactance control system Patent
[NASA-CASE-XMF-01598] c 21 N71-15583

Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642

Inertial reference apparatus Patent
[NASA-CASE-XAC-03107] c 23 N71-16098

Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081

Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173

Heated porous plug microthruster
[NASA-CASE-GSC-10840-1] c 28 N72-18766

Flight control system
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All sky pointing attitude control system
[NASA-CASE-ARC-10716-1] c 35 N77-20399

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Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966

Space capsule Patent
[NASA-CASE-XLA-01332] c 31 N71-15664

Spacecraft radiator cover Patent
[NASA-CASE-MSC-12049] c 31 N71-16080

Method and apparatus for securing to a spacecraft Patent
[NASA-CASE-MFS-11133] c 31 N71-16222

Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679

Self supporting space vehicle Patent
[NASA-CASE-XLA-00117] c 31 N71-17680

Multi-mission module Patent
[NASA-CASE-XMF-01543] c 31 N71-17730

Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912

Spacecraft Patent
[NASA-CASE-MSC-13047-1] c 31 N71-25434

Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859

Space vehicle
[NASA-CASE-MFS-22734-1] c 18 N75-19329

Space vehicle system
[NASA-CASE-MSC-12561-1] c 18 N76-17185

Method and apparatus for neutralizing potentials induced on spacecraft surfaces
[NASA-CASE-GSC-11963-1] c 33 N77-10429

SPACECRAFT DOCKING

Expanding center probe and drogue Patent
[NASA-CASE-XMS-03613] c 31 N71-16346

Docking structure for spacecraft Patent
[NASA-CASE-XMF-05941] c 31 N71-23912

Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26182

Docking structure for spacecraft
[NASA-CASE-MFS-20863] c 31 N73-26876

Latch mechanism
[NASA-CASE-MSC-12549-1] c 37 N74-27903

Spacecraft docking and alignment system --- using television camera system
[NASA-CASE-MSC-12559-1] c 18 N76-14188

Multiple in-line docking capability for rotating space stations
[NASA-CASE-MFS-20855-1] c 15 N77-10112

Combined docking and grasping device
[NASA-CASE-MFS-23088-1] c 37 N77-23483

Satellite retrieval system
[NASA-CASE-MSC-25403-1] c 18 N81-24164

Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519

Apparatus for releasably connecting first and second objects in predetermined space relationship
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Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391

Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647

Nose cone mounted heat resistant antenna Patent
[NASA-CASE-XMS-04312] c 07 N71-22984

SPACECRAFT ENVIRONMENTS

Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203

Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649

Dual solid cryogenics for spacecraft refrigeration Patent
[NASA-CASE-GSC-10188-1] c 23 N71-24725

Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459

Metering gun for dispensing precisely measured charges of fluid
[NASA-CASE-MFS-21163-1] c 54 N74-17853

SPACECRAFT GUIDANCE

Ejection unit Patent
[NASA-CASE-XNP-00676] c 15 N70-38996

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems Patent
[NASA-CASE-XMF-00684] c 21 N71-21688

Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040

Azimuth laying system Patent
[NASA-CASE-XMF-01669] c 21 N71-23289

Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243

Echo tracker/range finder for radars and sonars
[NASA-CASE-NPO-14361-1] c 32 N82-23376

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Mechanical coordinate converter Patent
[NASA-CASE-XNP-00614] c 14 N70-36907

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- Folding boom assembly Patent
[NASA-CASE-XGS-00938] c 32 N70-41367
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- Guidance and maneuver analyzer Patent
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- Method and apparatus for mapping planets
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[NASA-CASE-XGS-01593] c 03 N70-35408
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[NASA-CASE-GSC-10082-1] c 10 N72-20221
- Stacked solar cell arrays
[NASA-CASE-NPO-11771] c 03 N73-20040
- Thermoelectric power system --- for spacecraft
[NASA-CASE-MFS-22002-1] c 44 N76-16612
- Solar energy power system
[NASA-CASE-MFS-21628-2] c 44 N76-23675
- Module failure isolation circuit for paralleled inverters --- preventing system failure during power conditioning for spacecraft applications
[NASA-CASE-NPO-14000-1] c 33 N79-24254
- Solar driven liquid metal MHD power generator
[NASA-CASE-LAR-12495-1] c 44 N81-32609
- Linear magnetic motor/generator --- to generate electric energy using magnetic flux for spacecraft power supply
[NASA-CASE-GSC-12518-1] c 33 N82-24421
- SPACECRAFT PROPULSION**
- Colloid propulsion method and apparatus Patent
[NASA-CASE-XLE-00817] c 28 N70-33265
- Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
- Ion engine casing construction and method of making same Patent
[NASA-CASE-XNP-06942] c 28 N71-23293
- Voice operated controller Patent
[NASA-CASE-XLA-04063] c 31 N71-33160
- Solid propellant motor
[NASA-CASE-NPO-11458A] c 20 N78-32179
- General purpose rocket furnace
[NASA-CASE-MFS-23460-1] c 12 N79-26075
- Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364
- SPACECRAFT RADIATORS**
- Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523
- SPACECRAFT RECOVERY**
- Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
- Wing deployment method and apparatus Patent
[NASA-CASE-XMS-00907] c 02 N70-41630
- Satellite retrieval system
[NASA-CASE-MFS-25403-1] c 18 N81-24164
- SPACECRAFT REENTRY**
- Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
- Event recorder Patent
[NASA-CASE-XLA-01832] c 14 N71-21006
- SPACECRAFT SHIELDING**
- Aerodynamic protection for space flight vehicles Patent
[NASA-CASE-XNP-02507] c 31 N71-17679
- Isothermal cover with thermal reservoirs Patent
[NASA-CASE-MFS-20355] c 33 N71-25353
- Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
- Electrically conductive thermal control coatings
[NASA-CASE-GSC-12207-1] c 24 N79-14156
- Thermal insulation protection means
[NASA-CASE-MS-C-12737-1] c 24 N79-25142
- Thermal barrier pressure seal --- shielding junctions between spacecraft control surfaces and structures
[NASA-CASE-MS-C-18134-1] c 37 N81-15363
- Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602
- SPACECRAFT STABILITY**
- Reaction wheel scanner Patent
[NASA-CASE-XGS-02629] c 14 N71-21082
- Attitude sensor
[NASA-CASE-LAR-10586-1] c 19 N74-15089
- Angular momentum control device used for stabilization of space vehicles and the like
[NASA-CASE-LAR-11051-1] c 15 N76-14158
- Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N79-25119
- Active nutation controller
[NASA-CASE-GSC-12723-1] c 35 N80-21719
- Method of and apparatus for damping nutation motion with minimum spin axis attitude disturbance
[NASA-CASE-GSC-12551-1] c 18 N81-12156
- SPACECRAFT STRUCTURES**
- Collapsible loop antenna for space vehicle Patent
[NASA-CASE-XMF-00437] c 07 N70-40202
- Electro-optical alignment control system Patent
[NASA-CASE-XMF-00908] c 14 N70-40236
- Spacecraft radiator cover Patent
[NASA-CASE-MS-C-12049] c 31 N71-18080
- Satellite appendage tie down cord Patent
[NASA-CASE-XGS-02554] c 31 N71-21064
- Thermal control panel Patent
[NASA-CASE-XLA-07728] c 33 N71-22890
- Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
- Delayed simultaneous release mechanism
[NASA-CASE-GSC-10814-1] c 03 N73-20039
- Pressurized panel
[NASA-CASE-XLA-08916-2] c 14 N73-28487
- Structural heat pipe --- for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222
- Auger attachment method for insulation --- of spacecraft
[NASA-CASE-MS-C-12615-1] c 37 N76-19437
- Particulate and solar radiation stable coating for spacecraft
[NASA-CASE-LAR-10805-2] c 34 N77-18382
- Diced tile thermal protection for spacecraft
[NASA-CASE-MS-C-16366-1] c 24 N79-23142
- Pneumatic inflatable end effector
[NASA-CASE-MFS-23696-1] c 54 N81-26718
- SPACECRAFT TELEVISION**
- Electrically-operated rotary shutter Patent
[NASA-CASE-XNP-00637] c 14 N70-40273
- Television signal scan rate conversion system Patent
[NASA-CASE-XMS-07168] c 07 N71-11300
- Optical conversion method --- for spacecraft television
[NASA-CASE-MS-C-12618-1] c 74 N78-17865
- SPACECRAFT TRACKING**
- Ranging system Patent
[NASA-CASE-NPO-10066] c 09 N71-18598
- Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813
- Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
- Orbital and entry tracking accessory for globes --- to provide range requirements for reentry vehicles to any landing site
[NASA-CASE-LAR-10626-1] c 19 N74-21015
- Conical scan tracking system employing a large antenna
[NASA-CASE-NPO-14009-1] c 32 N79-13214
- SPACECREWS**
- Orbital escape device Patent
[NASA-CASE-XMS-06162] c 31 N71-28851
- SPACELAB PAYLOADS**
- Hemispherical latching apparatus for payload retention
[NASA-CASE-MFS-25837] c 16 N82-31398
- SPALLATION**
- Method of producing I-123 --- by bombardment of cesium causing spallation
[NASA-CASE-LEW-11390-2] c 25 N76-27383
- SPARK CHAMBERS**
- Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396
- Inorganic spark chamber frame and method of making the same
[NASA-CASE-GSC-12354-1] c 35 N82-24471
- SPARK GAPS**
- Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897
- Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
- SPARK IGNITION**
- High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925
- Plasma igniter for internal combustion engine
[NASA-CASE-NPO-13828-1] c 37 N79-11405
- SPARK PLUGS**
- High temperature spark plug Patent
[NASA-CASE-XLE-00660] c 28 N70-39925
- SPATIAL DISTRIBUTION**
- Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339
- Spatial energy distribution --- scanning a tunable diode laser beam automatically
[NASA-CASE-LAR-12831-1] c 35 N82-18557
- SPATIAL FILTERING**
- Spatial filter for Q-switched lasers
[NASA-CASE-LEW-12184-1] c 36 N77-32478
- SPECIMENS**
- Fixture for environmental exposure of structural materials under compression
[NASA-CASE-LAR-12602-1] c 35 N81-19429
- SPECTRAL REFLECTANCE**
- Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040
- SPECTRAL SIGNATURES**
- Multispectral imaging and analysis system --- using charge coupled devices and linear arrays
[NASA-CASE-NPO-13691-1] c 43 N79-17288
- SPECTROMETERS**
- Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599
- Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266
- Maksutov spectrograph Patent
[NASA-CASE-XLA-10402] c 14 N71-29041
- Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer
[NASA-CASE-NPO-05231] c 14 N73-28491
- Compton scatter attenuation gamma ray spectrometer
[NASA-CASE-MFS-21441-1] c 14 N73-30392
- Mossbauer spectrometer radiation detector
[NASA-CASE-LAR-11155-1] c 35 N74-15091
- Single reflector interference spectrometer and drive system therefor
[NASA-CASE-NPO-11932-1] c 35 N74-23040

Spectrometer integrated with a facsimile camera
[NASA-CASE-LAR-11207-1] c 35 N75-19613

Resonant waveguide stark cell --- using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245

Ion and electron detector for use in an ICR spectrometer
[NASA-CASE-NPO-13479-1] c 35 N77-10492

Frequency-scanning particle size spectrometer
[NASA-CASE-NPO-13606-2] c 35 N80-18364

Velocity servo for continuous scan Fournier interference spectrometer
[NASA-CASE-NPO-14093-1] c 35 N80-20563

Visible and infrared polarization ratio spectrophotometer
[NASA-CASE-LAR-12285-1] c 35 N80-28687

Correlation spectrometer having high resolution and multiplexing capability
[NASA-CASE-NPO-15558-1] c 35 N82-26636

Integrated optics in an electrically scanned imaging Fournier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992

SPECTROPHOTOMETERS

Apparatus for producing three-dimensional recordings of fluorescence spectra Patent
[NASA-CASE-XGS-01231] c 14 N70-41676

High resolution Fournier interferometer-spectrophotopolarimeter
[NASA-CASE-NPO-13604-1] c 35 N76-31490

Differential optoacoustic absorption detector
[NASA-CASE-NPO-13759-1] c 74 N78-17867

SPECTRORADIOMETERS

Compact spectroradiometer
[NASA-CASE-HQN-10683] c 14 N71-34389

SPECTROSCOPIC ANALYSIS

Spectroscopic equipment using a slender cylindrical reflector as a substitute for a slit Patent
[NASA-CASE-XGS-08269] c 23 N71-26206

SPECTRUM ANALYSIS

Photoelectric energy spectrometer Patent
[NASA-CASE-XNP-04161] c 14 N71-15599

Spectral method for monitoring atmospheric contamination of inert-gas welding shields Patent
[NASA-CASE-XMF-02039] c 15 N71-15871

Method and apparatus for high resolution spectral analysis
[NASA-CASE-NPO-10748] c 08 N72-20177

Frequency tracked pulse technique for ultrasonic analysis
[NASA-CASE-LAR-12697-1] c 32 N80-26571

Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015

SPECULAR REFLECTION

Real time reflectometer --- measurement of specular reflectance
[NASA-CASE-MFS-23118-1] c 35 N77-31465

SPEECH RECOGNITION

Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

SPEED CONTROL

System for maintaining a motor at a predetermined speed utilizing digital feedback means Patent
[NASA-CASE-XMF-06892] c 09 N71-24805

Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244

Two speed drive system --- mechanical device for changing speed on rotating vehicle wheel
[NASA-CASE-MFS-20645-1] c 37 N74-23070

Low speed phase-locked speed control system --- for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758

Speed control device for a heavy duty shaft --- solar sails for spacecraft propulsion
[NASA-CASE-NPO-14170-1] c 37 N81-15364

Variable speed drive
[NASA-CASE-GSC-12643-1] c 37 N81-24447

SPEED REGULATORS

A dc motor speed control system Patent
[NASA-CASE-MFS-14610] c 09 N71-28886

SPHERES

Guidance and maneuver analyzer Patent
[NASA-CASE-XNP-09572] c 14 N71-15621

Radar calibration sphere
[NASA-CASE-XLA-11154] c 07 N72-21117

Method of forming frozen spheres in a force-free drop tower
[NASA-CASE-NPO-14845-1] c 27 N82-28442

Sphere forming method and apparatus
[NASA-CASE-NPO-15070-1] c 31 N82-33567

Contactless pellet fabrication --- targets for inertial confinement fusion
[NASA-CASE-NPO-15592-1] c 31 N83-17746

SPHERICAL SHELLS

Electrode and insulator with shielded dielectric junction
[NASA-CASE-XLE-03778] c 09 N69-21542

Spherical measurement device
[NASA-CASE-XLA-06683] c 14 N72-28436

SPHERICAL TANKS

Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007

SPHERICAL WAVES

Shock wave convergence apparatus
[NASA-CASE-MFS-20890] c 14 N72-22439

SPHYGMOGRAPHY

Logic-controlled occlusive cuff system
[NASA-CASE-MSC-14836-1] c 52 N82-11770

SPIKE NOZZLES

Aerodynamic spike nozzle Patent
[NASA-CASE-XGS-01143] c 31 N71-15647

SPIKE POTENTIALS

Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393

SPIN DYNAMICS

Nutation damper
[NASA-CASE-GSC-11205-1] c 15 N73-25513

Stabilization of He2(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826

SPIN REDUCTION

Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485

Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601

Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016

Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582

Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747

SPIN STABILIZATION

Dynamic precession damper for spin stabilized vehicles Patent
[NASA-CASE-XLA-01989] c 21 N70-34295

Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943

Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642

Cartwheel satellite synchronization system Patent
[NASA-CASE-XGS-05579] c 31 N71-15676

Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692

Passive dual spin misalignment compensators --- gyro-stabilized device
[NASA-CASE-GSC-11479-1] c 35 N74-28097

Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft
[NASA-CASE-LAR-10753-1] c 08 N74-30421

Active nutation controller
[NASA-CASE-GSC-12273-1] c 35 N80-21719

Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465

SPINDLES

Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423

SPINE

Spine immobilization apparatus
[NASA-CASE-ARC-11167-1] c 52 N81-25662

SPINNERS

Head for high speed spinner having a vacuum chuck --- holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482

SPIRAL ANTENNAS

Spiral slotted phased antenna array
[NASA-CASE-MSC-18532-1] c 32 N82-27558

SPIRAL WRAPPING

Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918

Continuous self-locking spiral wound seal --- for maintaining pressure between chambers in cryogenic wind tunnels
[NASA-CASE-LAR-12315-1] c 37 N82-24490

Modified spiral wound retaining ring
[NASA-CASE-LAR-12361-1] c 37 N83-19091

SPIRALS (CONCENTRATORS)

Spiral groove seal --- for hydraulic rotating shaft
[NASA-CASE-LEW-10326-3] c 37 N74-10474

SPIROMETERS

Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473

SPLINTS

Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159

SPOILERS

Hydraulic actuator mechanism to control aircraft spoiler movements through dual input commands
[NASA-CASE-LAR-12412-1] c 08 N82-24205

SPORES

Lyophilized spore dispenser
[NASA-CASE-LAR-10544-1] c 37 N74-13178

SPOT WELDS

Electric arc welding Patent
[NASA-CASE-XMF-00392] c 15 N70-34814

Automatic closed circuit television arc guidance control Patent
[NASA-CASE-MFS-13046] c 07 N71-19433

SPRAY NOZZLES

Rocket injector head
[NASA-CASE-XMF-04592-1] c 20 N79-21125

Fire extinguishing apparatus having a slidable mass for a penetrator nozzle --- for penetrating aircraft and shuttle orbiter skin
[NASA-CASE-KSC-11064-1] c 31 N81-14137

Controlled overspray spray nozzle
[NASA-CASE-MFS-25139-1] c 34 N82-13376

SPRAYED COATINGS

Method of making a diffusion bonded refractory coating Patent
[NASA-CASE-XLE-01604-2] c 15 N71-15610

Thermal protection ablation spray system Patent
[NASA-CASE-XLA-04251] c 18 N71-26100

Peen plating
[NASA-CASE-GSC-11163-1] c 15 N73-32360

Sprayable low density ablator and application process
[NASA-CASE-MFS-23506-1] c 24 N78-24290

Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-13359-1] c 27 N81-24265

Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492

High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MSC-18851-1] c 27 N82-26460

Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N82-28640

SPRAYERS

External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372

Method and apparatus for attaching physiological monitoring electrodes Patent
[NASA-CASE-XFR-07658-1] c 05 N71-26293

Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152

Closed loop spray cooling apparatus --- for particle accelerator targets
[NASA-CASE-LEW-11981-1] c 31 N78-17237

Spray coating apparatus having a rotatable workpiece holder
[NASA-CASE-ARC-11110-1] c 37 N82-24492

Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MSC-18852-1] c 37 N82-28640

SPRAYING

Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825

Closed loop spray cooling apparatus
[NASA-CASE-LEW-11981-2] c 34 N79-20336

Method and apparatus for suppressing ignition overpressure in solid rocket propulsion systems
[NASA-CASE-MFS-25843-1] c 20 N83-17588

SPREADING

Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809

Tool for releasing optical elements
[NASA-CASE-GSC-12794-1] c 37 N83-12434

SPRINGS (ELASTIC)

Belleville spring assembly with elastic guides
[NASA-CASE-XNP-09452] c 15 N69-27504

Multiple Belleville spring assembly Patent
[NASA-CASE-XNP-00840] c 15 N70-38225

Switching mechanism with energy storage means Patent
[NASA-CASE-XGS-00473] c 03 N70-38713

Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974

Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391

Spring operated accelerator and constant force spring mechanism therefor
[NASA-CASE-ARC-10898-1] c 35 N77-18417

Natural turbulence electrical power generator — using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834
Unidirectional flexural pivot
[NASA-CASE-GSC-12622-1] c 37 N81-22359
Unitary seal ring assembly — cryogenic applications
[NASA-CASE-MFS-25678-1] c 37 N82-25517

SPUTTERING

A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482
Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487
Method and apparatus for sputtering utilizing an aperture electrode and a pulsed substrate bias
[NASA-CASE-LEW-10920-1] c 17 N73-24569
Sputtering holes with ion beamlets
[NASA-CASE-LEW-11646-1] c 20 N74-31269
Multitarget sequential sputtering apparatus
[NASA-CASE-NPO-13345-1] c 37 N75-19684
Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
Ion beam textured graphite electrode plates — high efficiency electron tube devices
[NASA-CASE-LEW-12919-2] c 24 N82-26386
Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415
Ion sputter textured graphite — anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117
Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170

SQUARE WAVES

High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596

SQUARES (MATHEMATICS)

Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437

SQUIBS

Separation nut Patent
[NASA-CASE-XGS-01971] c 15 N71-15922

STABILITY AUGMENTATION

Velocity vector control system augmented with direct lift control
[NASA-CASE-LAR-12268-1] c 08 N81-24106

STABILITY TESTS

Method and apparatus for checking the stability of a setup for making reflection type holograms
[NASA-CASE-MFS-21455-1] c 35 N74-15146

STABILIZATION

Ultrastable calibrated light source
[NASA-CASE-MSC-12293-1] c 14 N72-27411
System for stabilizing torque between a balloon and gondola
[NASA-CASE-GSC-11077-1] c 02 N73-13008
Suppression of flutter
[NASA-CASE-LAR-10682-1] c 02 N73-26004
Radiation hardening of MOS devices by boron — for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730
Arc control in compact arc lamps
[NASA-CASE-NPO-10870-1] c 33 N77-22386
Self-stabilizing radial face seal
[NASA-CASE-LEW-12991-1] c 37 N81-24442

STABILIZED PLATFORMS

Hydraulic drive mechanism Patent
[NASA-CASE-XMS-03252] c 15 N71-10658
Failure detection and control means for improved drift performance of a gimbaled platform system
[NASA-CASE-MFS-23551-1] c 04 N76-26175
Rotary leveling base platform
[NASA-CASE-ARC-10981-1] c 37 N78-27425
Magnetic bearing and motor
[NASA-CASE-GSC-12725-1] c 37 N82-29603

STABILIZERS

Satellite despin device Patent
[NASA-CASE-XMF-08523] c 31 N71-20396

STABILIZERS (AGENTS)

Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699

STABILIZERS (FLUID DYNAMICS)

Assembly for recovering a capsule Patent
[NASA-CASE-XMF-00641] c 31 N70-36410
Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873
Life raft stabilizer
[NASA-CASE-MSC-12393-1] c 02 N73-26006
Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460

STABLE OSCILLATIONS

Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986

STACKS

Remote fire stack igniter — with solenoid-controlled valve
[NASA-CASE-MFS-21675-1] c 25 N74-33378

STAGE SEPARATION

Tubular coupling having frangible connecting means
[NASA-CASE-XLA-02854] c 15 N69-27490
Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
Quick release separation mechanism Patent
[NASA-CASE-XLA-01441] c 15 N70-41679
Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582
Payload/burned-out motor case separation system Patent
[NASA-CASE-XLA-05369] c 31 N71-15687
Single action separation mechanism Patent
[NASA-CASE-XLA-00188] c 15 N71-22874
Lateral displacement system for separated rocket stages Patent
[NASA-CASE-XLA-04804] c 31 N71-23008
Separation simulator Patent
[NASA-CASE-XKS-04631] c 10 N71-23663
Frangible link
[NASA-CASE-MSC-11849-1] c 15 N72-22488
STAGNATION PRESSURE
Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692
Stagnation pressure probe — for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878
STAGNATION TEMPERATURE
Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156

STAGNATION TEMPERATURE

Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156

STAINING

Automated single-slide staining device
[NASA-CASE-LAR-11649-1] c 51 N77-27677

STAINLESS STEELS

Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
Method of making reinforced composite structure
[NASA-CASE-LEW-12619-1] c 24 N77-19171
Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237
Moving body velocity arresting line — stainless steel cables with energy absorbing sleeves
[NASA-CASE-LAR-12372-1] c 37 N82-18601

STAMPING

Holding fixture for a hot stamping press
[NASA-CASE-GSC-12619-1] c 37 N81-16470

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Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348

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Method and apparatus for shaping and enhancing acoustical levitation forces
[NASA-CASE-MFS-25050-1] c 71 N81-15767
Systems for controlled acoustic rotation of objects
[NASA-CASE-NPO-15522-1] c 71 N82-11861
Image readout device with electronically variable spatial resolution
[NASA-CASE-LAR-12633-1] c 33 N82-24416
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475
Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086
Acoustic particle separation
[NASA-CASE-NPO-15559-1] c 71 N82-29112

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Roll attitude star sensor system Patent
[NASA-CASE-XNP-01307] c 21 N70-41856
Sun tracker with rotatable plane-parallel plate and two photocells Patent
[NASA-CASE-XGS-01159] c 21 N71-10678
Canopus detector including automotive gain control of photomultiplier tube Patent
[NASA-CASE-XNP-03914] c 21 N71-10771
Spacecraft attitude detection system by stellar reference Patent
[NASA-CASE-XGS-03431] c 21 N71-15642
Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157

Star tracking reticles and process for the production thereof
[NASA-CASE-GSC-11188-2] c 21 N73-19630
Star tracking reticles
[NASA-CASE-GSC-11188-1] c 14 N73-32320
Formation of star tracking reticles
[NASA-CASE-GSC-11188-3] c 74 N74-20008
Star scanner — with a reticle with a pair of slits having differing separation
[NASA-CASE-GSC-11569-1] c 89 N74-30886
Programmable scan/read circuitry for charge coupled device imaging detectors — for a star tracker
[NASA-CASE-NPO-15345-1] c 33 N81-27403

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Resonant waveguide stark cell — using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245
Stark-effect modulation of CO₂ laser with NH₂D
[NASA-CASE-NPO-11945-1] c 36 N76-18427
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
Stark effect spectrophone for continuous absorption spectra monitoring — a technique for gas analysis
[NASA-CASE-NPO-15102-1] c 25 N81-25159

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Starting circuit for vapor lamps and the like Patent
[NASA-CASE-XNP-01058] c 09 N71-12540
Motor run-up system — power lines
[NASA-CASE-NPO-13374-1] c 33 N75-19524
Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360

STARTING

Portable device for use in starting air-start-units for aircraft and having cable lead testing capability
[NASA-CASE-FRC-10113-1] c 33 N80-26599

STATIC DISCHARGES

Use of glow discharge in fluidized beds
[NASA-CASE-ARC-11245-1] c 28 N82-18401

STATIC FRICTION

Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
Static coefficient test method and apparatus
[NASA-CASE-GSC-11893-1] c 35 N76-31489

STATIC INVERTERS

Static inverters which sum a plurality of waves Patent
[NASA-CASE-XMF-00663] c 08 N71-18752
Static inverter Patent
[NASA-CASE-GSC-05289] c 09 N71-19470

STATIC LOADS

Instrument for measuring torsional creep and recovery Patent
[NASA-CASE-XLE-01481] c 14 N71-10781
Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878

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Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
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[NASA-CASE-LAR-11552-1] c 35 N76-14429
Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358

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[NASA-CASE-XLA-03132] c 31 N71-22969

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[NASA-CASE-MFS-20642] c 14 N72-21407

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[NASA-CASE-MSC-16000-1] c 37 N78-24544

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[NASA-CASE-LEW-12270-1] c 26 N77-32280
Natural turbulence electrical power generator — using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834

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Steady state thermal radiometers
[NASA-CASE-MFS-21108-1] c 34 N74-27861
Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084

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Steam cooled rich-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628

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Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104

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STEELS

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[NASA-CASE-GSC-10361-1] c 18 N72-23581

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Array phasing device Patent
[NASA-CASE-ERC-10046] c 10 N71-18722
Satellite communication system Patent
[NASA-CASE-XNP-02389] c 07 N71-28900
Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860
Phased array antenna control
[NASA-CASE-MSC-14939-1] c 32 N79-11264

STEERING

Steerable solid propellant rocket motor Patent
[NASA-CASE-XNP-00234] c 28 N70-38645

STELLAR LUMINOSITY

Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

STELLAR SPECTRA

Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

STENCIL PROCESSES

Method for making patterns for resin matrix composites
[NASA-CASE-ARC-11246-1] c 24 N80-22410

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Scanner --- photography from a spin stabilized synchronous satellite
[NASA-CASE-GSC-12032-2] c 43 N82-13465

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Stereo photomicrography system
[NASA-CASE-LAR-10176-1] c 14 N72-20380
Optical stereo video signal processor --- line of sight tracking
[NASA-CASE-MFS-25752-1] c 74 N83-21950

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[NASA-CASE-ARC-10160-1] c 23 N72-27728

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Process for preparing sterile solid propellants Patent
[NASA-CASE-XNP-01749] c 27 N70-41897
Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461
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[NASA-CASE-LAR-10076-1] c 05 N73-20137
Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves
[NASA-CASE-GSC-10225-1] c 06 N73-27086
Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761
Portable heatable container
[NASA-CASE-NPO-14237-1] c 44 N80-20808
System for sterilizing objects --- cleaning space vehicle systems
[NASA-CASE-KSC-11085-1] c 54 N81-24724

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Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200

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Modified face seal for positive film stiffness
[NASA-CASE-LEW-12989-1] c 37 N82-12442

STIMULATED EMISSION

Repetitively pulsed, wavelength selective laser Patent
[NASA-CASE-ERC-10178] c 16 N71-24832

STIRLING CYCLE

Stirling cycle engine and refrigeration systems
[NASA-CASE-NPO-13613-1] c 37 N76-29590
Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
Hot gas engine with dual crankshafts
[NASA-CASE-NPO-14221-1] c 37 N81-25370
Stirling cycle cryogenic cooler --- magnetically suspended pistons
[NASA-CASE-GSC-12697-1] c 31 N82-11312
Reciprocating linear motor
[NASA-CASE-GSC-12773-1] c 33 N83-12332
Magnetically actuated compressor
[NASA-CASE-GSC-12799-1] c 37 N83-20153

STIRRING

Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177

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Fluid sample collector Patent
[NASA-CASE-XMS-06767-1] c 14 N71-20435
Sodium storage and injection system
[NASA-CASE-NPO-14384-1] c 37 N80-10494

STORAGE BATTERIES

Bonded elastomeric seal for electrochemical cells Patent
[NASA-CASE-XGS-02631] c 03 N71-23006

Automatic battery charger Patent
[NASA-CASE-XNP-04758] c 03 N71-24605
Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
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Hydrogen-bromine secondary battery
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Electrically rechargeable REDOX flow cell
[NASA-CASE-LEW-12220-1] c 44 N77-14581
Formulated plastic separators for soluble electrode cells --- rubber-ion transport membranes
[NASA-CASE-LEW-12358-1] c 44 N79-17313
Toroidal cell and battery --- storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521

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Thermally activated foaming compositions Patent
[NASA-CASE-LAR-10373-1] c 18 N71-26155
Gas diffusion liquid storage bag and method of use for storing blood
[NASA-CASE-NPO-13930-1] c 52 N79-14749
Method for retarding dye fading during archival storage of developed color photographic film --- inert atmosphere
[NASA-CASE-MFS-23250-1] c 35 N82-11432

STORAGE TANKS

Expulsion bladder-equipped storage tank structure Patent
[NASA-CASE-XNP-00612] c 11 N70-38182
Method for leakage testing of tanks Patent
[NASA-CASE-XMF-02392] c 32 N71-24285
Zero gravity shadow shield aligner
[NASA-CASE-KSC-10622-1] c 31 N72-21893
Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393

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[NASA-CASE-MFS-25837] c 16 N82-31398

STRAIN GAGE ACCELEROMETERS

Accelerometer with FM output Patent
[NASA-CASE-XLA-00492] c 14 N70-34799
Angular accelerometer Patent
[NASA-CASE-XMS-05936] c 14 N70-41682

STRAIN GAGE BALANCES

Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656

STRAIN GAGES

Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Wire grid forming apparatus Patent
[NASA-CASE-XLE-00023] c 15 N70-33330
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587
Difference circuit Patent
[NASA-CASE-XNP-08274] c 10 N71-13537
Strain sensor for high temperatures Patent
[NASA-CASE-XNP-09205] c 14 N71-17657
Extensometer Patent
[NASA-CASE-XMF-04680] c 15 N71-19489
Strain gage measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
Method of temperature compensating semiconductor strain gages Patent
[NASA-CASE-XLA-04555-1] c 14 N71-25892
Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
Method of making semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980-2] c 14 N72-28438
Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945
Strain gauge ambiguity sensor for segmented mirror active optical system
[NASA-CASE-MFS-20506-1] c 35 N75-12273
Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
Strain gage mounting assembly
[NASA-CASE-NPO-13170-1] c 35 N76-14430
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
Miniature biaxial strain transducer
[NASA-CASE-LAR-11648-1] c 35 N77-14407
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560

Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
Inflatable device for installing strain gage bridges
[NASA-CASE-FRC-11068-1] c 35 N82-24473
Thin film strain transducer --- for strain monitoring of high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N82-32661
Procedure for internally mounting strain gauges
[NASA-CASE-GSC-12824-1] c 35 N83-13424
Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626

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Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N82-32661

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Hinged strake aircraft control system
[NASA-CASE-LAR-12860-1] c 05 N82-26278

STRAPDOWN INERTIAL GUIDANCE

All sky pointing attitude control system
[NASA-CASE-LAR-10716-1] c 35 N77-20399

STRAPS

Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
Cryogenic container compound suspension strap
[NASA-CASE-ARC-11157-1] c 37 N80-18393

STRATIFICATION

A stable density-stratification solar pond
[NASA-CASE-NPO-15419-1] c 44 N81-27599

STRATIGRAPHY

System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584

STREAMS

Apparatus for measuring a sorbate dispersed in a fluid stream
[NASA-CASE-ARC-10896-1] c 35 N78-19465

STRESS ANALYSIS

Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740
High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523

STRESS CONCENTRATION

Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369

STRESS CORROSION

Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
Controlled glass bead peening Patent
[NASA-CASE-XLA-07390] c 15 N71-18616

STRESS MEASUREMENT

Semiconductor p-n junction stress and strain sensor
[NASA-CASE-XLA-04980] c 09 N69-27422
Force measuring instrument Patent
[NASA-CASE-XMF-00456] c 14 N70-34705
Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
Strain coupled servo control system Patent
[NASA-CASE-XLA-08530] c 32 N71-25360
Amplifying ribbon extensometer
[NASA-CASE-LAR-11825-1] c 35 N77-22449
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512

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Method for alleviating thermal stress damage in laminates --- metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170

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All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Steam cooled nch-burn combustor liner
[NASA-CASE-LEW-13609-1] c 25 N83-17628

STRESSES

Tape recorder Patent
[NASA-CASE-XGS-08259] c 14 N71-23698
Strain gage measuring techniques Patent
[NASA-CASE-XGS-04478] c 14 N71-24233
Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
Fixture for environmental exposure of structural materials under compression
[NASA-CASE-LAR-12602-1] c 35 N81-19429

STRETCHERS

Rescue litter flotation assembly Patent
[NASA-CASE-XMS-04170] c 05 N71-22748

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Stretcher Patent
[NASA-CASE-XMF-06589] c 05 N71-23159

STRETCHING
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457

STRINGERS
Universal connectors for joining stringers
[NASA-CASE-LAR-12744-1] c 37 N81-31551

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Omnidirectional joint Patent
[NASA-CASE-XMS-09635] c 05 N71-24623

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Microwave integrated circuit for Josephson voltage standards
[NASA-CASE-MFS-23845-1] c 33 N81-17348
Microwave switching power divider — antenna feeds
[NASA-CASE-GSC-12420-1] c 33 N82-16340

STRUCTURAL ANALYSIS
Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899

STRUCTURAL DESIGN
Life raft Patent
[NASA-CASE-XMS-00863] c 05 N70-34857
High pressure regulator valve Patent
[NASA-CASE-XNP-00710] c 15 N71-10778
Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217
Ring wing tension vehicle Patent
[NASA-CASE-XLA-04901] c 31 N71-24315
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
Lightweight reflector assembly
[NASA-CASE-NPO-13707-1] c 74 N77-28933
Horizontally mounted solar collector
[NASA-CASE-MFS-23349-1] c 44 N79-23481

STRUCTURAL ENGINEERING
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N81-12283

STRUCTURAL FAILURE
Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563

STRUCTURAL MEMBERS
Broadband choke for antenna structure
[NASA-CASE-XMS-05303] c 07 N69-27462
Optical alignment system Patent
[NASA-CASE-XNP-02029] c 14 N70-41955
All-directional fastener Patent
[NASA-CASE-XLA-01807] c 15 N71-10799
Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467
Fastener stretcher
[NASA-CASE-GSC-11149-1] c 15 N73-30457
Method of laminating structural members
[NASA-CASE-XLA-11028-1] c 24 N74-27035
Folding structure fabricated of rigid panels
[NASA-CASE-XHQ-02146] c 18 N75-27040
Strain arrestor plate for fused silica tile — bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MSC-14182-1] c 27 N76-14264
Universal connectors for joining stringers
[NASA-CASE-LAR-12744-1] c 37 N81-31551
Mechanical end joint system for structural column elements
[NASA-CASE-LAR-12482-1] c 37 N82-32732
Procedure for internally mounting strain gauges
[NASA-CASE-GSC-12824-1] c 35 N83-13424

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Latching device
[NASA-CASE-MFS-21606-1] c 37 N75-19685
Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562

STRUCTURAL VIBRATION
Electrical connector Patent Application
[NASA-CASE-MFS-14741] c 09 N70-20737
Seismic displacement transducer Patent
[NASA-CASE-XMF-00479] c 14 N70-34794
Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583

STRUCTURAL WEIGHT
System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N83-17536

STRUCTURES
Arbitrarily shaped model survey system Patent
[NASA-CASE-LAR-10098] c 32 N71-26681

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Energy absorbing structure Patent Application
[NASA-CASE-MSC-12279-1] c 15 N70-35679
Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176

Locking redundant link
[NASA-CASE-LAR-11900-1] c 37 N79-14382
Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N81-12283
Multiple pure tone elimination strut assembly — air breathing engines
[NASA-CASE-FRC-11062-1] c 71 N82-16800

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Safety-type locking pin
[NASA-CASE-MFS-18495] c 15 N72-11385
Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
Insert facing tool — manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968

STYRENES
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
Compound oxidized styrylphosphine — flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
Low temperature cross linking polyimides
[NASA-CASE-LEW-12876-1] c 27 N80-26447

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Tubular sublimatory evaporator heat sink
[NASA-CASE-ARC-10912-1] c 34 N77-19353
Polymeric compositions and their method of manufacture — forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258

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Low density bismaleimide-carbon microballoon composites — aircraft and submarine compartment safety
[NASA-CASE-ARC-11040-2] c 24 N78-27184

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Liquid immersion apparatus for minute articles
[NASA-CASE-MFS-25363-1] c 37 N82-12441
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
Total immersion crystal growth — using a melt covered with an encapsulating fluid
[NASA-CASE-NPO-15800-1] c 76 N83-15149

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Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348
Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334

SUBMINIATURIZATION
Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530

SUBREFLECTORS
Dish antenna having switchable beamwidth — with truncated concave ellipsoid subreflector
[NASA-CASE-GSC-11760-1] c 33 N75-19516

SUBROUTINES
Automatic multi-banking of memory for microprocessors
[NASA-CASE-NPO-15295-1] c 60 N82-11785

SUBSONIC FLOW
Leading edge vortex flaps for drag reduction — during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016

SUBSONIC SPEED
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Leading edge curvature based on convective heating Patent
[NASA-CASE-XLA-01486] c 01 N71-23497
Airfoil shape for flight at subsonic speeds — design analysis and aerodynamic characteristics of the GAW-1 airfoil
[NASA-CASE-LAR-10585-1] c 02 N76-22154
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976

SUBSONIC WIND TUNNELS
Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246

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Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967
Solar cell mounting Patent
[NASA-CASE-XNP-00826] c 03 N71-20895
Solar panel fabrication Patent
[NASA-CASE-XNP-03413] c 03 N71-26726
Fabrication of polycrystalline solar cells on low-cost substrates
[NASA-CASE-GSC-12022-1] c 44 N76-28635

SUPERCONDUCTING MAGNETS

Process for producing a well-adhered durable optical coating on an optical plastic substrate — abrasion resistant polymethyl methacrylate lenses
[NASA-CASE-ARC-11039-1] c 74 N78-32854
Attaching of strain gages to substrates
[NASA-CASE-FRC-10093-1] c 35 N80-20560
Method for applying photographic resists to otherwise incompatible substrates
[NASA-CASE-MSC-18107-1] c 27 N81-25209
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
Piezoelectric detector arrays
[NASA-CASE-LAR-12363-1] c 35 N82-31659
Method for depositing an oxide coating
[NASA-CASE-LEW-13131-1] c 44 N83-10494
Densification of porous refractory substrates — space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171
Coating with overlay metallic-cermet alloy systems
[NASA-CASE-LEW-13639-2] c 26 N83-17683
Screen printed interdigitated back contact solar cell
[NASA-CASE-LEW-13414-1] c 44 N83-20374

SUBSTRUCTURES
Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Opto-mechanical subsystem with temperature compensation through isothermal design
[NASA-CASE-GSC-12059-1] c 35 N77-27366
System for detecting substructure microfractures and method therefore
[NASA-CASE-NPO-14192-1] c 39 N80-10507

SUCTION
Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715

SULFATES
Intumescent paints Patent
[NASA-CASE-ARC-10099-1] c 18 N71-15469

SULFONES
Electrolytic cell structure
[NASA-CASE-LAR-11042-1] c 33 N75-27252
A solvent resistant, thermoplastic aromatic poly(imidesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-13259
Ethyne and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590

SULFONIC ACID
Intumescent coatings containing 4,4'-dinitrosulfanilide
[NASA-CASE-ARC-11042-1] c 24 N78-14096
The 1,1,1-triaryl-2,2,2-trifluoroethanes and process for their synthesis
[NASA-CASE-ARC-11097-1] c 25 N82-24312

SULFUR COMPOUNDS
Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines
[NASA-CASE-ARC-10325] c 06 N72-25147

SULFUR DIOXIDES
Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584

SULFURIC ACID
An improved synthesis of 2,4,8,10-tetroxaspiro (5 5) undecane
[NASA-CASE-ARC-11243-2] c 23 N80-31472

SUM RULES
Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693

SUMPS
Fluid driven sump pump
[NASA-CASE-ARC-11414-1] c 37 N83-20152

SUN
Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526

SUNGLASSES
Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096

SUNLIGHT
Illumination system including a virtual light source Patent
[NASA-CASE-HQN-10781] c 23 N71-30292
Illumination control apparatus for compensating solar light
[NASA-CASE-KSC-11010-1] c 74 N79-12890

SUPERCHARGERS
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188
Diesel engine catalytic combustor system — turbocharging
[NASA-CASE-LEW-12995-1] c 37 N80-26659

SUPERCONDUCTING MAGNETS
Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423

Superconducting alternator
[NASA-CASE-XLE-02824] c 03 N69-39890
Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
Magnetometer using superconducting rotating body
[NASA-CASE-NPO-13388-1] c 35 N76-16390
Stable superconducting magnet — high current levels below critical temperature
[NASA-CASE-XMF-05373-1] c 33 N79-21264

SUPERCONDUCTIVITY

Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
System for improving signal-to-noise ratio of a communication signal
[NASA-CASE-MSC-12259-2] c 07 N72-33146
Superconductive magnetic-field-trapping device
[NASA-CASE-XNP-01185] c 26 N73-28710
Doped Josephson tunneling junction for use in a sensitive IR detector
[NASA-CASE-NPO-13348-1] c 33 N75-31332

SUPERCONDUCTORS

Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969
Twisted multifilament superconductor
[NASA-CASE-LEW-11726-1] c 26 N73-26752
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Germanium coated microbridge and method
[NASA-CASE-MFS-23274-1] c 33 N78-13320

SUPERCOOLING

Method and apparatus for supercooling and solidifying substances — containments melts and space processing
[NASA-CASE-MFS-25242-1] c 35 N81-24413

SUPERFLUIDITY

Helium refining by superfluidity Patent
[NASA-CASE-XNP-00733] c 06 N70-34946
Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575

SUPERHEATING

Thermal energy storage system — operating on superheating of liquids
[NASA-CASE-MFS-23167-1] c 44 N76-31667

SUPERHIGH FREQUENCIES

Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

SUPERPLASTICITY

Superplastically formed diffusion bonded metallic structure
[NASA-CASE-FRC-11026-1] c 24 N82-24296

SUPERSATURATION

Method and apparatus for growth of crystals by pressure reduction of supercritical or subcritical solution
[NASA-CASE-NPO-15772-1] c 76 N82-23031

SUPERSONIC AIRCRAFT

Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255
Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011
Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041
Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
Absorptive splitter for closely spaced supersonic engine air inlets Patent
[NASA-CASE-XLA-02865] c 28 N71-15563
Oblique-wing supersonic aircraft
[NASA-CASE-ARC-10470-3] c 05 N76-29217

SUPERSONIC COMBUSTION

Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

SUPERSONIC DRAG

Annular supersonic decelerator or drogue Patent
[NASA-CASE-XLE-00222] c 02 N70-37939

SUPERSONIC FLIGHT

Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266
High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088

SUPERSONIC FLOW

Optical probing of supersonic flows with statistical correlation
[NASA-CASE-MFS-20642] c 14 N72-21407
Stagnation pressure probe — for measuring pressure of supersonic gas streams
[NASA-CASE-LAR-11139-1] c 35 N74-32878

SUPERSONIC INLETS

Airflow control system for supersonic inlets
[NASA-CASE-LEW-11188-1] c 02 N74-20646
Shock position sensor for supersonic inlets — measuring pressure in the throat of a supersonic inlet
[NASA-CASE-LEW-11915-1] c 35 N76-14431
Hypersonic airbreathing missile
[NASA-CASE-LAR-12264-1] c 15 N78-32168

SUPERSONIC NOZZLES

Penshape exhaust nozzle for supersonic engine Patent
[NASA-CASE-XLE-00057] c 28 N70-38711
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Electric arc apparatus Patent
[NASA-CASE-XAC-01677] c 09 N71-20816
Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

SUPERSONIC SPEEDS

Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
Static pressure probe
[NASA-CASE-LAR-11552-1] c 35 N76-14429

SUPERSONIC TRANSPORTS

Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
Position location system and method
[NASA-CASE-GSC-10087-3] c 07 N72-12080
Doppler compensation by shifting transmitted object frequency within limits
[NASA-CASE-GSC-10087-4] c 07 N73-20174
Supersonic transport — using canard surfaces
[NASA-CASE-LAR-11932-1] c 05 N78-32086

SUPERSONIC WIND TUNNELS

Wind tunnel
[NASA-CASE-LAR-10135-1] c 09 N79-21083
Sound shield
[NASA-CASE-LAR-12863-1] c 71 N83-17235

SUPPORT INTERFERENCE

Spherical bearing — to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404

SUPPORT SYSTEMS

Hydraulic support for dynamic testing Patent
[NASA-CASE-XMF-03248] c 11 N71-10604
Support structure for irradiated elements Patent
[NASA-CASE-XNP-06031] c 15 N71-15606
Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481
Adjustable support
[NASA-CASE-NPO-10721] c 15 N72-27484
Hydrostatic bearing support
[NASA-CASE-LEW-11158-1] c 37 N77-28486
Metric half-span model support system
[NASA-CASE-LAR-12441-1] c 09 N82-23254

SUPPORTS

A support technique for vertically oriented launch vehicles
[NASA-CASE-XLA-02704] c 11 N69-21540
Pneumatic mirror support system
[NASA-CASE-XLA-03271] c 11 N69-24321
Optical spin compensator
[NASA-CASE-XGS-02401] c 14 N69-27485
Extendible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701
Swivel support for gas bearings Patent
[NASA-CASE-XMF-07808] c 15 N71-23812
Optical tracking mount Patent
[NASA-CASE-MFS-14017] c 14 N71-26627
Angular displacement indicating gas bearing support system Patent
[NASA-CASE-XLA-09346] c 15 N71-28740
Adjustable mount for a triangular mirror Patent
[NASA-CASE-XNP-08907] c 23 N71-29123
Fine adjustment mount
[NASA-CASE-MFS-20249] c 15 N72-11386
Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454
Optical system support apparatus
[NASA-CASE-XER-07896-2] c 23 N72-22673
Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412
Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
Collapsible structure for an antenna reflector
[NASA-CASE-NPO-11751] c 07 N73-24176
Method of making porous conductive supports for electrodes — by electroforming and stacking nickel foils
[NASA-CASE-GSC-11367-1] c 44 N74-19692
Thrust-isolating mounting — characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397

Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
Locking mechanism for orthopedic braces
[NASA-CASE-GSC-12082-2] c 52 N81-25661

SUPPRESSORS

Electronic background suppression method and apparatus for a field scanning sensor
[NASA-CASE-XGS-05211] c 07 N69-39980

SURFACE ACOUSTIC WAVE DEVICES

Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919
A dual differential interferometer
[NASA-CASE-LAR-12966-1] c 71 N83-12969

SURFACE CRACKS

Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

SURFACE DEFECTS

Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822
Method and device for detection of surface discontinuities or defects
[NASA-CASE-MSC-14187-1] c 35 N74-32879

SURFACE DIFFUSION

Metallic film diffusion for boundary lubrication Patent
[NASA-CASE-XLE-01765] c 18 N71-10772
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

SURFACE FINISHING

Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487
Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
Surface finishing — for aircraft wings
[NASA-CASE-MSC-12631-1] c 24 N77-28225
Modification of the electrical and optical properties of polymers — ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
Surface finishing
[NASA-CASE-MSC-12631-3] c 27 N81-14077
Method of cold welding using ion beam technology
[NASA-CASE-LEW-12982-1] c 37 N81-19455
Electrodes for solid state devices
[NASA-CASE-NPO-15161-1] c 33 N82-26575
Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
Laser surface fusion of plasma sprayed ceramic turbine seals
[NASA-CASE-LEW-13269-1] c 18 N83-20996

SURFACE IONIZATION

Field ionization electrodes Patent
[NASA-CASE-ERC-10013] c 09 N71-26678
Method and apparatus for detecting surface ions on silicon diodes and transistors
[NASA-CASE-ERC-10325] c 15 N72-25457

SURFACE LAYERS

Bismuth-lead coatings for gas bearings used in atmospheric environments and vacuum chambers Patent
[NASA-CASE-XGS-02011] c 15 N71-20739
Method and apparatus for stable silicon dioxide layers on silicon grown in silicon nitride ambient
[NASA-CASE-ERC-10073-1] c 24 N74-19769
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N82-10227

SURFACE PROPERTIES

Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796
Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652
Apparatus for scanning the surface of a cylindrical body
[NASA-CASE-NPO-11861-1] c 36 N74-20009
Apparatus for microbiological sampling — including automatic swabbing
[NASA-CASE-LAR-11069-1] c 35 N75-12272
Penetrometer — for determining load bearing characteristics of inclined surfaces
[NASA-CASE-NPO-11103-1] c 35 N77-27367
Device for measuring the contour of a surface
[NASA-CASE-LAR-11869-1] c 74 N78-27904
Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
Apparatus for electrolytically tapered or contoured cavities
[NASA-CASE-XNP-08835-1] c 37 N80-14395

Tactile sensing system --- manipulator controllers
[NASA-CASE-NPO-15094-1] c 33 N81-16386
Mechanical bonding of metal method
[NASA-CASE-LEW-12941-1] c 26 N83-10170
Apparatus and method for inspecting a bearing ball ---
eddy current inspection technique
[NASA-CASE-MFS-25833-1] c 35 N83-21316

SURFACE REACTIONS

Nondestructive spot test method for magnesium and
magnesium alloys
[NASA-CASE-LAR-10953-1] c 17 N73-27446

SURFACE ROUGHNESS

Surface roughness detector Patent
[NASA-CASE-XLA-00203] c 14 N70-34161
Optical inspection apparatus Patent
[NASA-CASE-XMF-00462] c 14 N70-34298
Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
Surface roughness measuring system --- synthetic
aperture radar measurements of ocean wave height and
terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
Ion beam textured graphite electrode plates --- high
efficiency electron tube devices
[NASA-CASE-LEW-12919-2] c 24 N82-26386
Texturing polymer surfaces by transfer casting ---
cardiovascular prosthesis
[NASA-CASE-LEW-13120-1] c 27 N82-28440
Ion sputter textured graphite --- anode collector plates
in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117

SURFACE ROUGHNESS EFFECTS

Meteorological balloon Patent
[NASA-CASE-XMF-04163] c 02 N71-23007

SURFACE TEMPERATURE

Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N81-12363

SURFACE VEHICLES

Optimal control system for an electric motor driven
vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244
Vehicle for use in planetary exploration
[NASA-CASE-NPO-11366] c 11 N73-26238
Short range laser obstacle detector --- for surface
vehicles using laser diode array
[NASA-CASE-NPO-11856-1] c 36 N74-15145
Vehicle locating system utilizing AM broadcasting station
cameras
[NASA-CASE-NPO-13217-1] c 32 N75-26194
Vehicular impact absorption system
[NASA-CASE-NPO-14014-1] c 37 N79-10420
Phase sensitive guidance sensor for wire-following
vehicles
[NASA-CASE-NPO-15341-1] c 33 N82-12346

SURFACE WAVES

Antenna design for surface wave suppression Patent
[NASA-CASE-XLA-10772] c 07 N71-28980

SURFACES

Recoverable rocket vehicle Patent
[NASA-CASE-XMF-00389] c 31 N70-34176
Friction measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995
Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129
Photoelectron spectrometer with means for stabilizing
sample surface potential
[NASA-CASE-NPO-13772-1] c 35 N78-10429

SURFACTANTS

Surfactant-assisted liquefaction of particulate
carbonaceous substances
[NASA-CASE-NPO-13904-1] c 25 N79-11152

SURGERY

Tissue macerating instrument
[NASA-CASE-LEW-12668-1] c 52 N78-14773
Intra-ocular pressure normalization technique and
equipment
[NASA-CASE-LEW-12955-1] c 52 N80-14684

SURGES

Transient-compensated SCR inverter
[NASA-CASE-XLA-08507] c 09 N69-39984
Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531

SURGICAL INSTRUMENTS

Ophthalmic method and apparatus
[NASA-CASE-LEW-11669-1] c 05 N73-27062
Ophthalmic liquefaction pump
[NASA-CASE-LEW-12051-1] c 52 N75-33640

SURVIVAL EQUIPMENT

Survival couch Patent
[NASA-CASE-XLA-00118] c 05 N70-33285
Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
Soft frame adjustable eyeglasses Patent
[NASA-CASE-XMS-06064] c 05 N71-23096

SUSPENDING (HANGING)

Parallel motion suspension device Patent
[NASA-CASE-XNP-01567] c 15 N70-41310
Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146

SUSPENSION SYSTEMS (VEHICLES)

Suspension system for a wheel rolling on a flat track
--- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587

SWEAT

Sweat collection capsule
[NASA-CASE-ARC-11031-1] c 52 N81-29763

SWEAT COOLING

Transpiration cooled turbine blade manufactured from
wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Transpirationally cooled heat ablation system Patent
[NASA-CASE-XMS-02677] c 31 N70-42075
Method of electroforming a rocket chamber
[NASA-CASE-LEW-11118-1] c 20 N74-32919

SWEPT CIRCUITS

Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926

SWEPT EFFECT

High speed flight vehicle control Patent
[NASA-CASE-XLA-08967] c 02 N71-27088
Acoustically swept rotor --- helicopter noise reduction
[NASA-CASE-ARC-11106-1] c 05 N80-14107

SWEPT FREQUENCY

Swept group delay measurement
[NASA-CASE-NPO-13909-1] c 33 N78-25319

SWELLING

Intumescent composition, foamed product prepared
therewith, and process for making same
[NASA-CASE-ARC-10304-1] c 18 N73-26572

SWEPT WINGS

Supersonic aircraft Patent
[NASA-CASE-XLA-04451] c 02 N71-12243
Leading edge vortex flaps for drag reduction --- during
subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016

SWIRLING

Slosh alleviator Patent
[NASA-CASE-XLA-05749] c 15 N71-19569
Swirl can primary combustor
[NASA-CASE-LEW-11326-1] c 23 N73-30665

SWITCHES

Switching mechanism with energy storage means
Patent
[NASA-CASE-XGS-00473] c 03 N70-38713
Digital memory in which the driving of each word location
is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434
RF controlled solid state switch
[NASA-CASE-ARC-10136-1] c 09 N72-22202
High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285
Fiber optic crossbar switch for automatically patching
optical signals
[NASA-CASE-KSC-11104-1] c 74 N81-12862
Automatic thermal switch
[NASA-CASE-GSC-12415-1] c 33 N82-24419
Trac failure detector
[NASA-CASE-MFS-25607-1] c 33 N82-26574
Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 44 N83-12525

SWITCHING

Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N83-17804

SWITCHING CIRCUITS

Solid state switch
[NASA-CASE-XNP-09228] c 09 N69-27500
Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888
A method for selective gold diffusion of monolithic silicon
devices and/or circuits Patent application
[NASA-CASE-ERC-10072] c 09 N70-11148
Space vehicle electrical system Patent
[NASA-CASE-XMF-00517] c 03 N70-34157
High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915
Switching circuit employing regeneratively connected
complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
Electronic beam switching commutator Patent
[NASA-CASE-XGS-01451] c 09 N71-10677
Electronic amplifier with power supply switching
Patent
[NASA-CASE-XMS-00945] c 09 N71-10798
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
Magnetic core current steering commutator Patent
[NASA-CASE-NPO-10201] c 08 N71-18694

A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723
Reversible current control apparatus Patent
[NASA-CASE-XLA-09371] c 10 N71-18724
Exclusive-Or digital logic module Patent
[NASA-CASE-XLA-07732] c 08 N71-18751
Polarization diversity monopulse tracking receiver
Patent
[NASA-CASE-XGS-03501] c 09 N71-20864
Sight switch using an infrared source and sensor
Patent
[NASA-CASE-XMF-03934] c 09 N71-22985
Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015
Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033
Pulse modulator providing fast rise and fall times
Patent
[NASA-CASE-XMS-04919] c 09 N71-23270
Polarity sensitive circuit Patent
[NASA-CASE-XNP-00952] c 10 N71-23271
Increasing efficiency of switching type regulator circuits
Patent
[NASA-CASE-XMS-09352] c 09 N71-23316
Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548
Multialarm summary alarm Patent
[NASA-CASE-XLA-03061-1] c 10 N71-24798
Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
Inverter with means for base current shaping for
sweeping charge carriers from base region Patent
[NASA-CASE-XGS-06226] c 10 N71-25950
Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000
Control apparatus for applying pulses of selectively
predetermined duration to a sequence of loads Patent
[NASA-CASE-XGS-04224] c 10 N71-26418
Turn on transient limiter Patent
[NASA-CASE-GSC-10413] c 10 N71-26531
Method and means for providing an absolute power
measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
Compensating bandwidth switching transients in an
amplifier circuit Patent
[NASA-CASE-XNP-01107] c 10 N71-28859
Monostable multivibrator with complementary NOR
gates Patent
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Current regulating voltage divider
[NASA-CASE-MFS-20935] c 09 N71-34212
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Optimum performance spacecraft solar cell system
[NASA-CASE-GSC-10669-1] c 03 N72-20031
Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199
Switching regulator
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Data multiplexer using true switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162
Pulse coupling circuit
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Solid state remote circuit selector switch
[NASA-CASE-LEW-10387] c 09 N72-22201
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pressure decrease after a pressure increase
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Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
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Electronic video editor
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[NASA-CASE-NPO-10817-1] c 08 N73-30135
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[NASA-CASE-NPO-13081-1] c 33 N74-22814
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amplifier
[NASA-CASE-MFS-21616-1] c 33 N75-30429
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[NASA-CASE-KSC-10782-1] c 33 N75-30431
Multi-computer multiple data path hardware exchange
system
[NASA-CASE-NPO-13422-1] c 60 N76-14818
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[NASA-CASE-LEW-12444-1] c 33 N77-28385
Window comparator
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- System for automatically switching transformer coupled lines [NASA-CASE-MSC-16697-1] c 33 N79-28415
- Self-reconfiguring solar cell system [NASA-CASE-LEW-12586-1] c 44 N80-14472
- Fiber optic crossbar switch for automatically patching optical signals [NASA-CASE-KSC-11104-1] c 74 N81-12862
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress [NASA-CASE-NPO-14316-1] c 33 N81-33404
- Active lamp pulse driver circuit — for use in laser transmitters [NASA-CASE-GSC-12566-1] c 36 N82-10390
- Microwave switching power divider — antenna feeds [NASA-CASE-GSC-12420-1] c 33 N82-16340
- Control means for a solid state crossbar switch [NASA-CASE-NPO-15066-1] c 33 N82-29538
- Three phase power factor controller with induced EMF sensing [NASA-CASE-MFS-25852-1] c 33 N83-17803

- SWITCHING THEORY**
- Multiple circuit switch apparatus with improved pivot actuator structure Patent [NASA-CASE-XAC-03777] c 10 N71-15909

- SWIVELS**
- Swivel support for gas bearings Patent [NASA-CASE-XMF-07808] c 15 N71-23812

- SYNCHRONISM**
- Time division multiplex system [NASA-CASE-XGS-05918] c 07 N69-39974
- Means for generating a sync signal in an FM communication system Patent [NASA-CASE-XNP-10830] c 07 N71-11281
- Method of resolving clock synchronization error and means therefor Patent [NASA-CASE-XNP-08875] c 10 N71-23099
- Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent [NASA-CASE-XGS-03632] c 09 N71-23311
- Time synchronization system utilizing moon reflected coded signals Patent [NASA-CASE-NPO-10143] c 10 N71-26326
- Rapid sync acquisition system Patent [NASA-CASE-NPO-10214] c 10 N71-26577
- Synchronized voltage contrast display analysis system [NASA-CASE-NPO-14567-1] c 33 N83-18996

- SYNCHRONIZED OSCILLATORS**
- Phase demodulation system with two phase locked loops Patent [NASA-CASE-XNP-00777] c 10 N71-19469
- Phase locked phase modulator including a voltage controlled oscillator Patent [NASA-CASE-XNP-05382] c 10 N71-23544
- Automatic frequency control loop including synchronous switching circuits [NASA-CASE-KSC-10393] c 09 N72-21247
- Apparatus and method for tracking the fundamental frequency of an analog input signal [NASA-CASE-ARC-11367-1] c 33 N83-21238

- SYNCHRONIZERS**
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- Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent [NASA-CASE-GSC-10373-1] c 07 N71-19773
- Synchronous servo loop control system Patent [NASA-CASE-XNP-03744] c 10 N71-20448
- Digital synchronizer Patent [NASA-CASE-NPO-10851] c 07 N71-24613
- Video sync processor Patent [NASA-CASE-KSC-10002] c 10 N71-25865
- Pulse code modulated signal synchronizer [NASA-CASE-MSC-12462-1] c 32 N74-20809
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- System for generating timing and control signals [NASA-CASE-NPO-13125-1] c 33 N75-19519
- Telemetry synchronizer [NASA-CASE-GSC-11868-1] c 17 N76-22245
- Memory-based frame synchronizer — for digital communication systems [NASA-CASE-GSC-12430-1] c 60 N82-16747

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- Synchronous dc direct drive system Patent [NASA-CASE-GSC-10065-1] c 10 N71-27136
- Motor run-up system — power lines [NASA-CASE-NPO-13374-1] c 33 N75-19524

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- Serrodyne frequency converter re-entrant amplifier system Patent [NASA-CASE-XGS-01022] c 07 N71-16088
- Traffic control system and method Patent [NASA-CASE-GSC-10087-1] c 02 N71-19287
- Tracking antenna system Patent [NASA-CASE-GSC-10553-1] c 07 N71-19854
- Satellite interface synchronization system [NASA-CASE-GSC-10390-1] c 07 N72-11149
- Synchronous orbit battery cyclor [NASA-CASE-GSC-11211-1] c 03 N72-25020
- Systems and methods for determining radio frequency interference [NASA-CASE-GSC-12150-1] c 32 N79-11265
- Satellite personal communications system [NASA-CASE-NPO-14480-1] c 32 N80-20448

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- Preparation of ordered poly /arylenesiloxane/ polymers [NASA-CASE-XMF-10753] c 06 N71-11237
- Imidazopyrrolone/imide copolymers Patent [NASA-CASE-XLA-08802] c 06 N71-11238
- Preparation of polyimides from mixtures of monomeric diamines and esters of polycarboxylic acids [NASA-CASE-LEW-11325-1] c 06 N73-27980

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- Synthesis of dawsontes [NASA-CASE-ARC-113261-1] c 25 N80-31490
- Prepolymer dianhydrides [NASA-CASE-NPO-13899-1] c 27 N80-32515
- Viscoelastic cationic polymers containing the urethane linkage [NASA-CASE-NPO-10830-1] c 27 N81-15104
- Bifunctional monomers having terminal oxime and cyano or amide groups [NASA-CASE-ARC-11253-3] c 27 N81-24256
- Synthesis of polyformals [NASA-CASE-ARC-11244-1] c 23 N82-16174
- Electrically conductive palladium containing polyimide films [NASA-CASE-LAR-12705-1] c 25 N82-26396
- Polyvinyl alcohol cross-linked with two aldehydes [NASA-CASE-LEW-13504-1] c 25 N83-13188
- A solvent resistant, thermoplastic aromatic poly(imidesulfone) and process for preparing same [NASA-CASE-LAR-12858-1] c 27 N83-13259
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- Digitally controlled frequency synthesizer Patent [NASA-CASE-XGS-02317] c 09 N71-23525

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- Surface roughness measuring system — synthetic aperture radar measurements of ocean wave height and terrain peaks [NASA-CASE-NPO-13862-1] c 35 N79-10391
- Azimuth correlator for real-time synthetic aperture radar image processing [NASA-CASE-NPO-14019-1] c 32 N79-14268
- Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths [NASA-CASE-NPO-14525-1] c 32 N79-19195
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- An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data [NASA-CASE-NPO-14998-1] c 33 N81-15194
- Synthetic aperture radar target simulator [NASA-CASE-NPO-15024-1] c 32 N82-10286
- Real-time multiple-look synthetic aperture radar processor for spacecraft applications [NASA-CASE-NPO-14054-1] c 32 N82-12297
- A pipelined digital SAR azimuth correlator using hybrid FFT/transversal-filter [NASA-CASE-NPO-15519-1] c 32 N82-12298
- Wideband passive synthetic-aperture multichannel receiver [NASA-CASE-NPO-15651-1] c 32 N82-26523
- Method and apparatus for Delta K synthetic aperture radar measurement of ocean current [NASA-CASE-NPO-15704-1] c 32 N82-28502
- Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar [NASA-CASE-NPO-14998-1] c 32 N83-18975
- Clutter free synthetic aperture radar correlator [NASA-CASE-NPO-14035-1] c 32 N83-19968
- Method and apparatus for contour mapping using synthetic aperture radar [NASA-CASE-NPO-15939-1] c 43 N83-20324

SYNTHETIC FIBERS

- Fluid containers and resealable septum therefor Patent [NASA-CASE-NPO-10123] c 15 N71-24835
- Fabric for micrometeoroid protection garment Patent [NASA-CASE-MSC-12109] c 18 N71-26285
- Fluid impervious barrier including liquid metal alloy and method of making same Patent [NASA-CASE-XNP-08881] c 17 N71-28747
- Polymenc electrolytic hygrometer [NASA-CASE-NPO-13948-1] c 35 N78-25391
- Process for spinning flame retardant elastomeric compositions — fabricating synthetic fibers for high oxygen environments [NASA-CASE-MSC-14331-3] c 27 N78-32262
- Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith [NASA-CASE-NPO-13530-1] c 25 N81-17187
- Method of carbonizing polyacrylonitrile fibers and resulting product [NASA-CASE-ARC-11261-1] c 24 N81-29164

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- Molten salt pyrolysis of latex — synthetic hydrocarbon fuel production using the Guayule shrub [NASA-CASE-NPO-14315-1] c 27 N81-17261
- Solar heated fluidized bed gasification system [NASA-CASE-NPO-15071-1] c 44 N82-16475

SYNTHETIC RESINS

- Coating process [NASA-CASE-XNP-06508] c 18 N69-39895
- Phosphorus-containing bisimide resins [NASA-CASE-ARC-11321-1] c 27 N81-27272
- Method for forming pyrrone molding powders and products of said method [NASA-CASE-LAR-10423-1] c 23 N82-29358

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- Process for the preparation of polycarbonarylophosphazenes — thermal insulation [NASA-CASE-ARC-11176-2] c 27 N81-27271

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- Micro-fluid exchange coupling apparatus [NASA-CASE-ARC-11114-1] c 51 N81-14605
- Automated syringe sampler — remote sampling of air and water [NASA-CASE-LAR-12308-1] c 35 N81-29407

SYSTEM EFFECTIVENESS

- System for the measurement of ultra-low stray light levels — determining the adequacy of large space telescope systems [NASA-CASE-MFS-23513-1] c 74 N79-11865

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- Tape recorder Patent [NASA-CASE-XGS-08259] c 14 N71-23698
- Fault tolerant clock apparatus utilizing a controlled minority of clock elements [NASA-CASE-MSC-12531-1] c 35 N75-30504
- Apparatus for sensor failure detection and correction in a gas turbine engine control system [NASA-CASE-LEW-12907-2] c 07 N81-19115

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- Analog-to-digital converter analyzing system [NASA-CASE-NPO-10560] c 08 N72-22166

SYSTEMS ENGINEERING

- Magnetohydrodynamic induction machine [NASA-CASE-XNP-07481] c 25 N69-21929
- Gravity stabilized flying vehicle Patent [NASA-CASE-MSC-12111-1] c 02 N71-11039
- Solar battery with interconnecting means for plural cells Patent [NASA-CASE-XNP-08506] c 03 N71-11050
- Helmet assembly and latch means therefor Patent [NASA-CASE-XMS-04935] c 05 N71-11190
- Multi-feed cone Cassegrain antenna Patent [NASA-CASE-NPO-10539] c 07 N71-11285
- Viscous-pendulum-damper Patent [NASA-CASE-XLA-02078] c 12 N71-16894
- Out of tolerance warning alarm system for plurality of monitored circuits Patent [NASA-CASE-XMS-10984-1] c 10 N71-19417
- Wide range data compression system Patent [NASA-CASE-XGS-02612] c 08 N71-19435
- Space suit heat exchanger Patent [NASA-CASE-XMS-09571] c 05 N71-19439
- Biomedical radiation detecting probe Patent [NASA-CASE-XMS-01177] c 05 N71-19440
- High speed binary to decimal conversion system Patent [NASA-CASE-XGS-01230] c 08 N71-19544
- Evaporant source for vapor deposition Patent [NASA-CASE-XMF-06065] c 15 N71-20395
- Method and apparatus for making a heat insulating and ablative structure Patent [NASA-CASE-XMS-02009] c 33 N71-20834
- Polarization diversity monopulse tracking receiver Patent [NASA-CASE-XGS-03501] c 09 N71-20864

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[NASA-CASE-XLA-01731] c 32 N71-21045

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[NASA-CASE-XLA-03660] c 15 N71-21060

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[NASA-CASE-XMF-03212] c 15 N71-22721

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[NASA-CASE-XMS-04292] c 15 N71-22722

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[NASA-CASE-XMF-01083] c 15 N71-22723

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[NASA-CASE-XLA-02050] c 31 N71-22968

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[NASA-CASE-XLA-03132] c 31 N71-22969

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[NASA-CASE-XNP-01747] c 15 N71-23024

Refrigeration apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025

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[NASA-CASE-XNP-02791] c 07 N71-23026

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[NASA-CASE-XMS-02930] c 11 N71-23042

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[NASA-CASE-XLA-01219] c 10 N71-23084

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[NASA-CASE-XGS-05153] c 03 N71-23336

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[NASA-CASE-XGS-03230] c 14 N71-23401

Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790

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[NASA-CASE-ARC-10132-1] c 09 N71-24597

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[NASA-CASE-XLE-08569-2] c 03 N71-24681

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[NASA-CASE-XGS-01654] c 31 N71-24750

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[NASA-CASE-NPO-10649] c 07 N71-24840

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[NASA-CASE-XNP-09771] c 09 N71-24841

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[NASA-CASE-MSC-12209] c 09 N71-24842

Apparatus for determining the deflection of an electron beam impinging on a target Patent
[NASA-CASE-XMF-06617] c 09 N71-24843

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[NASA-CASE-XKS-06167] c 08 N71-24890

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[NASA-CASE-XNP-09759] c 08 N71-24891

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[NASA-CASE-MFS-20395] c 15 N71-24903

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[NASA-CASE-MFS-20385] c 09 N71-24904

Quick release hook tape Patent
[NASA-CASE-XMS-10680-1] c 15 N71-25975

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[NASA-CASE-MFS-20240] c 14 N71-26788

Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364

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[NASA-CASE-GSC-10689-1] c 03 N72-20031

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[NASA-CASE-NPO-11021] c 03 N72-20032

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[NASA-CASE-HQN-10439] c 21 N72-21624

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[NASA-CASE-NPO-11311] c 14 N72-25414

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[NASA-CASE-MSC-13397-1] c 21 N72-25595

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[NASA-CASE-NPO-13086-1] c 15 N73-12495

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[NASA-CASE-MFS-20658-1] c 14 N73-30386

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[NASA-CASE-ARC-10444-1] c 16 N73-33397

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[NASA-CASE-LAR-10910-1] c 35 N74-13132

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[NASA-CASE-MFS-21372-1] c 74 N74-27866

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[NASA-CASE-MFS-21704-1] c 35 N75-25124

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[NASA-CASE-NPO-13147-1] c 36 N77-25502

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[NASA-CASE-MFS-23564-1] c 15 N78-25119

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[NASA-CASE-NPO-13813-1] c 44 N78-31526

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[NASA-CASE-MFS-23349-1] c 44 N79-23481

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[NASA-CASE-MFS-23726-1] c 43 N79-26439

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[NASA-CASE-MFS-23777-1] c 37 N80-32716

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[NASA-CASE-KSC-11085-1] c 54 N81-24724

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[NASA-CASE-XMS-02399] c 05 N71-22896

Brushless direct current tachometer Patent
[NASA-CASE-MFS-20385] c 09 N71-24904

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[NASA-CASE-MFS-20418] c 14 N73-24473

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[NASA-CASE-MFS-23175-1] c 35 N77-30436

A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633

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Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N83-18485

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[NASA-CASE-MSC-18422-1] c 37 N82-18408

Missile rolling tail brake torque system — simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 37 N82-26675

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[NASA-CASE-XLA-00100] c 14 N70-36807

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[NASA-CASE-XLA-00487] c 14 N70-40157

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[NASA-CASE-MSC-13907-1] c 10 N73-26230

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[NASA-CASE-XMF-01899] c 31 N70-41948

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[NASA-CASE-MSC-12280] c 27 N71-16348

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[NASA-CASE-XMF-02392] c 32 N71-24285

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[NASA-CASE-KSC-10639] c 15 N73-26472

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[NASA-CASE-NPO-13050-1] c 36 N75-15029

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[NASA-CASE-NPO-11138] c 03 N70-34646

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[NASA-CASE-XLE-04788] c 09 N71-22987

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[NASA-CASE-XNP-04023] c 06 N71-28808

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[NASA-CASE-LEW-12050-1] c 35 N77-32454

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Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483

Tantalum modified ferritic iron base alloys
[NASA-CASE-LEW-12095-1] c 26 N78-18182

TANTALUM CARBIDES

Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

TANTALUM OXIDES

Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761

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Plural recorder system
[NASA-CASE-XMS-06949] c 09 N69-21487

Endless tape transport mechanism Patent
[NASA-CASE-XGS-01223] c 07 N71-10809

Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978

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[NASA-CASE-XNP-09453] c 08 N71-19420

Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448

Incremental tape recorder and data rate converter Patent
[NASA-CASE-XNP-02778] c 08 N71-22710

Digital telemetry system Patent
[NASA-CASE-XGS-01812] c 07 N71-23001

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[NASA-CASE-XGS-08259] c 14 N71-23698

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[NASA-CASE-ARC-10003-1] c 09 N71-25866

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[NASA-CASE-NPO-10700] c 07 N71-33613

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[NASA-CASE-ERC-10112] c 07 N72-21119

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[NASA-CASE-NPO-10166-1] c 07 N73-22076

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[NASA-CASE-NPO-10166-2] c 35 N76-16391

Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426

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[NASA-CASE-XLE-00409] c 28 N71-15658

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[NASA-CASE-XLE-05689] c 28 N71-15659

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Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437

Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235

Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160

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[NASA-CASE-XGS-05211] c 07 N69-39980

Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324

TARGET SIMULATORS

Simulator method and apparatus for practicing the mating of an observer-controlled object with a target
[NASA-CASE-MFS-23052-2] c 74 N79-13855

Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N82-10286

TARGETS

Method and apparatus for producing concentric hollow spheres — inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319

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Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

TEFLON (TRADEMARK)

Bonding of reinforced Teflon to metals
[NASA-CASE-MFS-20482] c 15 N72-22492

Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029

Lead-oxygen dc power supply system having a closed loop oxygen and water system
[NASA-CASE-MFS-23059-1] c 44 N76-27664

TELECOMMUNICATION

Adaptive compression of communication signals Patent
[NASA-CASE-XLA-03076] c 07 N71-11266

Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281

Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791

Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613

Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917

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[NASA-CASE-NPO-11548] c 07 N73-26118

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[NASA-CASE-XNP-03623] c 09 N73-28084

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[NASA-CASE-NPO-11921-1] c 32 N74-30523

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[NASA-CASE-MFS-22671-1] c 35 N75-21582

Modulator for tone and binary signals --- phase of modulation of tone and binary signals on carrier waves in communication systems

[NASA-CASE-GSC-11743-1] c 32 N75-24981

Method and apparatus for quadrature-shift-key and linear phase modulation

[NASA-CASE-NPO-14444-1] c 33 N81-15192

Random digital encryption secure communication system

[NASA-CASE-MSC-16462-1] c 32 N82-31583

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Pressure variable capacitor

[NASA-CASE-XNP-09752] c 14 N69-21541

Telemetry word forming unit

[NASA-CASE-XNP-09225] c 09 N69-24333

Position location and data collection system and method

Patent

[NASA-CASE-GSC-10083-1] c 30 N71-16090

Telespectrograph Patent

[NASA-CASE-XLA-03273] c 14 N71-18699

Digitally controlled frequency synthesizer Patent

[NASA-CASE-XGS-02317] c 09 N71-23525

Programmable telemetry system Patent

[NASA-CASE-GSC-10131-1] c 07 N71-24624

Temperature telemetric transmitter Patent

[NASA-CASE-NPO-10649] c 07 N71-24840

Rapid sync acquisition system Patent

[NASA-CASE-NPO-10214] c 10 N71-26577

Telemetry actuated switch

[NASA-CASE-ARC-10105] c 09 N72-17153

Flexible computer accessed telemetry

[NASA-CASE-NPO-11358] c 07 N72-25172

Digital control and information system

[NASA-CASE-NPO-11016] c 08 N72-31226

Multichannel telemetry system

[NASA-CASE-NPO-11572] c 07 N73-16121

Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier

[NASA-CASE-NPO-11593-1] c 07 N73-28012

Telemetry synchronizer

[NASA-CASE-GSC-11868-1] c 17 N76-22245

Memory-based parallel data output controller

[NASA-CASE-GSC-12447-1] c 60 N80-21987

A single frequency multitransmitter telemetry system

[NASA-CASE-LAR-13006-1] c 17 N83-20995

TELEOPERATORS

Cooperative multitax sensor for teleoperation of article

manipulating apparatus

[NASA-CASE-NPO-13386-1] c 54 N75-27758

TELEPHONES

Telephone multiline signaling using common signal

pair

[NASA-CASE-KSC-11023-1] c 32 N79-23310

TELEPHONY

Digital communication system

[NASA-CASE-MSC-13912-1] c 32 N74-30524

TELESCOPES

Pneumatic mirror support system

[NASA-CASE-XLA-03271] c 11 N69-24321

Optical tracking mount Patent

[NASA-CASE-MFS-14017] c 14 N71-26627

Rotable accurate reflector system for telescopes

Patent

[NASA-CASE-NPO-10468] c 23 N71-33229

Light direction sensor

[NASA-CASE-NPO-11201] c 14 N72-27409

Bore scope with variable angle scope

[NASA-CASE-MFS-15162] c 14 N72-32452

Ritchey-Chretien Telescope

[NASA-CASE-GSC-11487-1] c 14 N73-30393

Servo-controlled intravital microscope system

[NASA-CASE-NPO-13214-1] c 35 N75-25123

Heat reflecting field stop

[NASA-CASE-LAR-12443-1] c 74 N82-19030

TELETYPEWRITER SYSTEMS

Video communication system and apparatus Patent

[NASA-CASE-XNP-06611] c 07 N71-26102

TELEVISION CAMERAS

Electrically-operated rotary shutter Patent

[NASA-CASE-XNP-00637] c 14 N70-40273

Digital television camera control system Patent

[NASA-CASE-XNP-01472] c 14 N70-41807

Solid state television camera system Patent

[NASA-CASE-XMF-06092] c 07 N71-24612

Color television system

[NASA-CASE-MSC-12146-1] c 07 N72-17109

TV fatigue crack monitoring system

[NASA-CASE-LAR-11490-1] c 39 N78-16387

Optical conversion method --- for spacecraft television

[NASA-CASE-MSC-12618-1] c 74 N78-17865

Television camera video level control system --- space

shuttle orbiters

[NASA-CASE-MSC-18578-1] c 74 N82-27121

Automatic weld torch guidance control system

[NASA-CASE-MFS-25807] c 37 N83-20154

TELEVISION EQUIPMENT

Television signal scan rate conversion system Patent

[NASA-CASE-XMS-07168] c 07 N71-11300

Automatic closed circuit television arc guidance control

Patent

[NASA-CASE-MFS-13046] c 07 N71-19433

Color television systems using a single gun color cathode

ray tube Patent

[NASA-CASE-ERC-10098] c 09 N71-28618

Television multiplexing system

[NASA-CASE-KSC-10654-1] c 07 N73-30115

Rotating raster generator

[NASA-CASE-FRC-10071-1] c 32 N74-20813

Auditory display for the blind

[NASA-CASE-HQN-10832-1] c 71 N74-21014

Spacecraft docking and alignment system --- using

television camera system

[NASA-CASE-MSC-12559-1] c 18 N76-14186

System for producing chroma signals

[NASA-CASE-MSC-14683-1] c 74 N77-18893

Retinally stabilized differential resolution television

display

[NASA-CASE-JPO-15432-1] c 32 N83-12308

TELEVISION RECEIVERS

Narrow bandwidth video Patent

[NASA-CASE-XMS-06740-1] c 07 N71-26579

TELEVISION SYSTEMS

Method and means for an improved electron beam

scanning system Patent

[NASA-CASE-ERC-10552] c 09 N71-12539

Burst synchronization detection system Patent

[NASA-CASE-XMS-05605-1] c 10 N71-19468

Narrow bandwidth video Patent

[NASA-CASE-XMS-06740-1] c 07 N71-26579

Stereoscopic television system and apparatus

[NASA-CASE-ARC-10160-1] c 23 N72-27728

Retinally stabilized differential resolution television

display

[NASA-CASE-JPO-15432-1] c 32 N83-12308

TELEVISION TRANSMISSION

Television simulation for aircraft and space flight

Patent

[NASA-CASE-XFR-03107] c 09 N71-19449

Automatic frequency control for FM transmitter

[NASA-CASE-MFS-21540-1] c 32 N74-19790

Television noise reduction device

[NASA-CASE-MSC-12607-1] c 32 N75-21485

TELLURIUM

Targets for producing high purity I-123

[NASA-CASE-LEW-10518-3] c 25 N78-27226

TEMPERATURE

Fluorinated esters of polycarboxylic acids

[NASA-CASE-MFS-21040-1] c 06 N73-30098

TEMPERATURE COMPENSATION

Temperature compensated solid state differential

amplifier Patent

[NASA-CASE-XAC-00435] c 09 N70-35440

Variable frequency magnetic multivibrator Patent

[NASA-CASE-XGS-00458] c 09 N70-38604

Matched thermistors for microwave power meters

Patent

[NASA-CASE-NPO-10348] c 10 N71-12554

Precision thrust gage Patent

[NASA-CASE-XGS-02319] c 14 N71-22965

Variable frequency oscillator with temperature

compensation Patent

[NASA-CASE-XNP-03916] c 09 N71-28810

Omnidirectional acceleration device Patent

[NASA-CASE-HQN-10780] c 14 N71-30265

Thermal compensating structural member

[NASA-CASE-MFS-20433] c 15 N72-28496

Temperature compensated light source using a light

emitting diode

[NASA-CASE-ARC-10467-1] c 09 N73-14214

Opto-mechanical subsystem with temperature

compensation through isothermal design

[NASA-CASE-GSC-12059-1] c 35 N77-27366

Temperature compensated current source

[NASA-CASE-MSC-11235] c 33 N78-17294

TEMPERATURE CONTROL

Method and apparatus for wavelength tuning of liquid

lasers

[NASA-CASE-ERC-10187] c 16 N69-31343

Alkali-metal silicate protective coating

[NASA-CASE-XGS-04119] c 18 N69-39979

Thermal control of space vehicles Patent

[NASA-CASE-XLA-01291] c 33 N70-36617

Thermal switch Patent

[NASA-CASE-XNP-00463] c 33 N70-36847

Sandwich panel construction Patent

[NASA-CASE-XLA-00349] c 33 N70-37979

Device for suppressing sound and heat produced by

high-velocity exhaust jets Patent

[NASA-CASE-XMF-01813] c 28 N70-41582

Solar cell including second surface mirrors Patent

[NASA-CASE-NPO-10109] c 03 N71-11049

Excessive temperature warning system Patent

[NASA-CASE-XLA-01926] c 14 N71-15620

Intermittent type silica gel adsorption refrigerator

Patent

[NASA-CASE-XNP-00920] c 15 N71-15906

Method and apparatus for controllably heating fluid

Patent

[NASA-CASE-XMF-04237] c 33 N71-16278

Mount for thermal control system Patent

[NASA-CASE-NPO-10138] c 33 N71-16357

Transmission line thermal short Patent

[NASA-CASE-XNP-09775] c 09 N71-20445

Thermal control wall panel Patent

[NASA-CASE-XLA-01243] c 33 N71-22792

Thermal control panel Patent

[NASA-CASE-XLA-07728] c 33 N71-22890

Method and apparatus for varying thermal conductivity

Patent

[NASA-CASE-XNP-05524] c 33 N71-24876

Temperature regulation circuit Patent

[NASA-CASE-XNP-02792] c 14 N71-28958

Automatic control of liquid cooling garment by cutaneous

and external auditory meatus temperatures

[NASA-CASE-MSC-13917-1] c 05 N72-15098

Method for controlling vapor content of a gas

[NASA-CASE-NPO-10633] c 03 N72-28025

Atomic hydrogen maser with bulb temperature control

to remove wall shift in maser output frequency

[NASA-CASE-HQN-10654-1] c 16 N73-13489

Pump for delivering heated fluids

[NASA-CASE-NPO-11417] c 15 N73-24513

Temperature controller for a fluid cooled garment

[NASA-CASE-ARC-10599-1] c 05 N73-26071

Temperature control system with a pulse width

modulated bridge

[NASA-CASE-NPO-11304] c 14 N73-26430

Thermal control system for a spacecraft modular

housing

[NASA-CASE-GSC-11018-1] c 31 N73-30829

Apparatus for controlling the temperature of

balloon-borne equipment

[NASA-CASE-XSC-11620-1] c 34 N74-23039

Self-regulating proportionally controlled heating

apparatus and technique

[NASA-CASE-GSC-11752-1] c 77 N75-20140

Rocket chamber and method of making

[NASA-CASE-LEW-11118-2] c 20 N76-14191

Thermostatically controlled non-tracking type solar

energy concentrator

[NASA-CASE-NPO-13497-1] c 44 N76-14602

Multi-chamber controllable heat pipe

[NASA-CASE-ARC-10199] c 34 N78-17337

Thermal compensator for closed-cycle helium

refrigerator --- assuring constant temperature for an

infrared laser diode

[NASA-CASE-GSC-12168-1] c 31 N79-17029

- Temperature compensated light source using a light emitting diode
[NASA-CASE-ARC-10467-1] c 09 N73-14214
- Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124
- Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
- Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N81-19440
- TEMPERATURE MEASUREMENT**
- Motion picture camera for optical pyrometry Patent
[NASA-CASE-XLA-00062] c 14 N70-33254
- Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039
- Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410
- Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428
- Method of fabricating an article with cavities --- with thin bottom walls
[NASA-CASE-LAR-10318-1] c 31 N74-18089
- Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
- Wind sensor
[NASA-CASE-NPO-13462-1] c 35 N76-24524
- Miniature ingestible telemeter devices to measure deep-body temperature
[NASA-CASE-ARC-10583-1] c 52 N76-29894
- Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431
- Multi-channel temperature measurement amplification system --- solar heating systems
[NASA-CASE-MFS-23775-1] c 44 N82-16474
- Solar energy control system --- temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686
- Method of an apparatus for measuring temperature and pressure --- remote sensing of the atmosphere
[NASA-CASE-GSC-12558-1] c 35 N82-29580
- Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N83-20085
- TEMPERATURE MEASURING INSTRUMENTS**
- Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
- Condition and condition duration indicator Patent
[NASA-CASE-XMF-01097] c 10 N71-16058
- Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
- Method and means for providing an absolute power measurement capability Patent
[NASA-CASE-ERC-11020] c 14 N71-26774
- High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152
- Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472
- Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454
- TEMPERATURE PROBES**
- Temperature-compensating means for cavity resonator of amplifier Patent
[NASA-CASE-XNP-00449] c 14 N70-35220
- Sensing probe
[NASA-CASE-LEW-10281-1] c 14 N72-17327
- TEMPERATURE PROFILES**
- Exothermic furnace module
[NASA-CASE-MFS-25707-1] c 35 N82-26631
- TEMPERATURE SENSORS**
- Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484
- Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
- Mount for thermal control system Patent
[NASA-CASE-NPO-10138] c 33 N71-16357
- Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085
- Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475
- Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232
- Thin film temperature sensor and method of making same
[NASA-CASE-NPO-11775] c 26 N72-28761
- Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-2] c 35 N75-25122
- Optical crystal temperature gauge with fiber optic connections
[NASA-CASE-MS-18627-1] c 74 N82-30071
- Temperature averaging thermal probe
[NASA-CASE-GSC-12795-1] c 35 N83-20085
- TEMPLATES**
- Microcircuit negative cutter
[NASA-CASE-XLA-09843] c 15 N72-27485
- TENSILE STRENGTH**
- Method of making fiber reinforced metallic composites Patent
[NASA-CASE-XLE-00231] c 17 N70-38198
- Reinforced metallic composites Patent
[NASA-CASE-XLE-00228] c 17 N70-38490
- Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
- Method for fiberizing ceramic materials Patent
[NASA-CASE-XNP-00597] c 18 N71-23088
- Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
- Device for use in loading tension members --- characterized by elongated elastic body
[NASA-CASE-MFS-21488-1] c 14 N75-24794
- Method of carbonizing polyacrylonitrile fibers and resulting product
[NASA-CASE-ARC-11261-1] c 24 N81-29164
- Method and apparatus for strengthening boron fibers --- high temperature oxidation
[NASA-CASE-LEW-13826-1] c 24 N82-26385
- Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603
- TENSILE STRESS**
- Rocket nozzle test method Patent
[NASA-CASE-NPO-10311] c 31 N71-15643
- Device for measuring tensile forces
[NASA-CASE-MFS-21728-1] c 35 N74-27865
- Solid medium thermal engine
[NASA-CASE-ARC-10461-1] c 44 N74-33379
- TENSILE TESTS**
- Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
- Tension measurement device Patent
[NASA-CASE-XMS-04545] c 15 N71-22878
- Tensile strength testing device Patent
[NASA-CASE-XNP-05634] c 15 N71-24834
- Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N72-11364
- Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- Method and apparatus for tensile testing of metal foil
[NASA-CASE-LAR-10208-1] c 35 N76-18400
- Device for tensioning test specimens within an hermetically sealed chamber
[NASA-CASE-MFS-23281-1] c 35 N77-22450
- Method and apparatus for gripping uniaxial fibrous composite materials --- holding specimens for mechanical property testing
[NASA-CASE-LEW-13758-1] c 24 N83-12176
- TENSION**
- Meter for use in detecting tension in straps having predetermined elastic characteristics
[NASA-CASE-MFS-22189-1] c 35 N75-19615
- TERMINAL GUIDANCE**
- Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421
- Terminal guidance system --- for guiding aircraft into preselected altitude and/or heading at terminal point
[NASA-CASE-FRC-10049-1] c 04 N74-13420
- Terminal guidance sensor system
[NASA-CASE-NPO-14521-1] c 54 N79-20746
- Terminal guidance sensor system --- space shuttle coupling to orbiting satellites
[NASA-CASE-NPO-14521-1] c 37 N81-27519
- TERRAIN**
- Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- TERRAIN ANALYSIS**
- Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391
- Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499
- TEST CHAMBERS**
- Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875
- Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042
- Flammability test chamber Patent
[NASA-CASE-KSC-10126] c 11 N71-24985
- Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068
- Autoignition test cell Patent
[NASA-CASE-KSC-10198] c 11 N71-28629
- Orifice gross leak tester Patent
[NASA-CASE-ERC-10150] c 14 N71-28992
- Method for measuring biaxial stress in a body subjected to stress inducing loads
[NASA-CASE-MFS-23299-1] c 39 N77-28511
- TEST EQUIPMENT**
- Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
- Apparatus for tensile testing Patent
[NASA-CASE-XKS-06250] c 14 N71-15600
- Black-body furnace Patent
[NASA-CASE-XLE-01399] c 33 N71-15625
- Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039
- Automatic fatigue test temperature programmer Patent
[NASA-CASE-XLA-02059] c 33 N71-24276
- Pulse rise time and amplitude detector Patent
[NASA-CASE-XMF-08804] c 09 N71-24717
- Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
- Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MS-15158-1] c 14 N72-17325
- Atmospheric sampling devices
[NASA-CASE-NPO-11373] c 13 N72-25323
- Burn rate testing apparatus
[NASA-CASE-XMS-09690] c 33 N72-25913
- Linear explosive comparison
[NASA-CASE-LAR-10800-1] c 33 N72-27959
- Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267
- Rocket borne instrument to measure electric fields inside electrified clouds
[NASA-CASE-KSC-10730-1] c 14 N73-32318
- Compression test assembly
[NASA-CASE-LAR-10440-1] c 14 N73-32323
- Wind tunnel model and method
[NASA-CASE-LAR-10812-1] c 09 N74-17955
- Anti-buckling fatigue test assembly --- for subjecting metal specimen to tensile and compressive loads at constant temperature
[NASA-CASE-LAR-10426-1] c 09 N74-19528
- Method and apparatus for checking fire detectors
[NASA-CASE-GSC-11600-1] c 35 N74-21019
- Battery testing device --- for testing cells of multiple-cell battery
[NASA-CASE-MFS-20761-1] c 44 N74-27519
- Signal conditioner test set
[NASA-CASE-KSC-10750-1] c 35 N75-12270
- Particulate and aerosol detector
[NASA-CASE-LAR-11434-1] c 35 N76-22509
- High temperature strain gage calibration fixture
[NASA-CASE-LAR-11500-1] c 35 N76-24523
- Method of and means for testing a tape record/playback system
[NASA-CASE-MFS-22671-2] c 35 N77-17426
- Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
- TEST FACILITIES**
- Electric propulsion engine test chamber Patent
[NASA-CASE-XLE-00252] c 11 N70-34844
- High temperature testing apparatus Patent
[NASA-CASE-XLE-00335] c 14 N70-35368
- Gas analyzer for bi-gaseous mixtures Patent
[NASA-CASE-XLA-01131] c 14 N71-10774

- Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
- Shock tube bypass piston tunnel
[NASA-CASE-NPO-12109] c 11 N72-22245
- TEST STANDS**
- Automatic balancing device Patent
[NASA-CASE-LAR-10774] c 10 N71-13545
- Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094
- TETHERED SATELLITES**
- Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
- TETHERING**
- Cable arrangement for rigid tethering Patent
[NASA-CASE-XLA-02332] c 32 N71-17609
- Inflatable tether Patent
[NASA-CASE-XMS-10993] c 15 N71-28936
- TETHERLINES**
- Flexible/rigidifiable cable assembly
[NASA-CASE-MSC-13512-1] c 15 N72-22485
- Tetherline system for orbiting satellites
[NASA-CASE-MFS-23564-1] c 15 N78-25119
- TETRAETHYL ORTHOSILICATE**
- Thermal protection system
[NASA-CASE-MSC-18796-1] c 24 N82-26389
- Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18737-1] c 24 N83-13171
- Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MSC-18736-1] c 24 N83-13172
- TETRAPHENYLS**
- Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363
- TEXTILES**
- Non-flammable elastomeric fiber from a fluorinated elastomer and containing an halogenated flame retardant
[NASA-CASE-MSC-14331-1] c 27 N76-24405
- TEXTURES**
- Modification of the electrical and optical properties of polymers --- ion irradiation to create texture
[NASA-CASE-LEW-13027-1] c 27 N80-24437
- Texturing polymer surfaces by transfer casting --- cardiovascular prostheses
[NASA-CASE-LEW-13120-1] c 27 N82-28440
- Surface texturing of fluoropolymers
[NASA-CASE-LEW-13028-1] c 27 N82-33521
- Ion sputter textured graphite --- anode collector plates in electron tube devices
[NASA-CASE-LEW-12919-1] c 24 N83-10117
- THERAPY**
- Hyperthermia heating apparatus --- cancer therapy
[NASA-CASE-NPO-14549-2] c 52 N82-33996
- THERMAL ABSORPTION**
- Constant temperature heat sink for calorimeters Patent
[NASA-CASE-XMF-04208] c 33 N71-29051
- Solar pond
[NASA-CASE-NPO-13581-2] c 44 N78-31525
- THERMAL COMFORT**
- Thermal garment
[NASA-CASE-XMS-03694-1] c 54 N82-29002
- THERMAL CONDUCTIVITY**
- Enthalpy and stagnation temperature determination of a high temperature laminar flow gas stream Patent
[NASA-CASE-XLE-00266] c 14 N70-34156
- Apparatus for measuring thermal conductivity Patent
[NASA-CASE-XGS-01052] c 14 N71-15992
- Heated element fluid flow sensor Patent
[NASA-CASE-MSC-12084-1] c 12 N71-17569
- Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876
- Thermally conductive polymers
[NASA-CASE-GSC-11304-1] c 06 N72-21105
- Electrostatically controlled heat shutter
[NASA-CASE-NPO-11942-1] c 33 N73-32818
- Thermal barrier coating system
[NASA-CASE-LEW-12554-1] c 34 N78-18355
- Automatic thermal switch
[NASA-CASE-GSC-12553-1] c 33 N80-21671
- Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
- THERMAL CONDUCTORS**
- Thermal conductive connection and method of making same Patent
[NASA-CASE-XMS-02087] c 09 N70-41717
- Solar energy absorber
[NASA-CASE-MFS-22743-1] c 44 N76-22657
- THERMAL CONTROL COATINGS**
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- Inorganic thermal control coatings
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- Particulate and solar radiation stable coating for spacecraft
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- Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
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- Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
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[NASA-CASE-XMF-01030] c 18 N70-41583
- Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
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[NASA-CASE-XMF-05279] c 18 N71-16124
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- Intumescent composition, foamed product prepared therewith and process for making same
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- Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
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[NASA-CASE-MSC-12615-1] c 37 N76-19437
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[NASA-CASE-MSC-18568-1] c 34 N78-25350
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- Thermal insulation protection means
[NASA-CASE-MSC-12737-1] c 24 N79-25142
- Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317
- Process for the preparation of polycarbonylphosphazenes --- thermal insulation
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- High temperature glass thermal control structure and coating
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- Carboranylphosphazenes and their polymers --- thermal insulation
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- Thermal garment
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[NASA-CASE-XAC-00648] c 14 N70-40400

Ablation structures Patent
[NASA-CASE-XMS-01816] c 33 N71-15623

Spacecraft radiator cover Patent
[NASA-CASE-MS-12049] c 31 N71-16080

Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998

Ceramic insulation for radiant heating environments and method of preparing the same Patent
[NASA-CASE-MFS-14253] c 33 N71-24858

Solid state thermal control polymer coating Patent
[NASA-CASE-XLA-01745] c 33 N71-28903

Temperature reducing coating for metals subject to flame exposure Patent
[NASA-CASE-XLE-00035] c 33 N71-29151

Stand-off type ablative heat shield
[NASA-CASE-MS-12143-1] c 33 N72-17947

Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767

Flexible fire retardant polyisocyanate modified neoprene foam — for thermal protective devices
[NASA-CASE-ARC-10180-1] c 27 N74-12814

Adjustable securing base
[NASA-CASE-MS-19666-1] c 37 N78-17383

Reaction cured glass and glass coatings
[NASA-CASE-ARC-11051-1] c 27 N78-32260

Diced tile thermal protection for spacecraft
[NASA-CASE-MS-18366-1] c 24 N79-23142

Thermal barrier coating system having improved adhesion
[NASA-CASE-LEW-13359-1] c 27 N81-24265

Corrosion resistant thermal barrier coating — protecting gas turbines and other engine parts
[NASA-CASE-LEW-13088-1] c 26 N81-25188

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[NASA-CASE-LEW-13450-1] c 34 N82-25463

Thermal protection system
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Spray applicator for spraying coatings and other fluids in space
[NASA-CASE-MS-18852-1] c 37 N82-28640

Attachment system for silica tiles — thermal protection for space shuttle orbiter
[NASA-CASE-MS-18741-1] c 27 N82-29456

Multilayer thermal protection system
[NASA-CASE-LAR-12620-1] c 24 N82-32417

Prestressed thermal protection systems — space shuttle orbiters
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Shell tile thermal protection system
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Compensating radiometer
[NASA-CASE-XLA-04556] c 14 N69-27484

Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937

High temperature heat source Patent
[NASA-CASE-XLE-00490] c 33 N70-34545

Thermal radiation shielding Patent
[NASA-CASE-XLE-03432] c 33 N71-24145

Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809

Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852

THERMAL REACTORS

Non-equilibrium radiation nuclear reactor
[NASA-CASE-HQN-10841-1] c 73 N78-18920

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Diode and protection fuse unit Patent
[NASA-CASE-XKS-03381] c 09 N71-22796

Polyimide foam for the thermal insulation and fire protection
[NASA-CASE-ARC-10464-1] c 27 N74-12812

Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652

Self-regulating proportionally controlled heating apparatus and technique
[NASA-CASE-GSC-11752-1] c 77 N75-20140

Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MS-14903-1] c 27 N78-32256

Ambient cure polyimide foams — thermal resistant foams
[NASA-CASE-ARC-11170-1] c 27 N79-11215

The 1,2,4-oxadiazole elastomers — heat resistant polymers
[NASA-CASE-ARC-11253-1] c 27 N81-17262

High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N81-32391

Surface conforming thermal/pressure seal — tail assemblies of space shuttle orbiters
[NASA-CASE-MS-18422-1] c 37 N82-16408

Reusable thermal cycling clamp — holders for directional solidification experiments
[NASA-CASE-LAR-12868-1] c 27 N82-18390

Heat resistant protective hand covering
[NASA-CASE-MS-20261-1] c 54 N82-32985

Heat resistant protective hand covering
[NASA-CASE-MS-20261-2] c 54 N82-32986

THERMAL SHOCK

Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964

Thermal shock resistant hafnia ceramic material
[NASA-CASE-LAR-10894-1] c 18 N73-14584

Thermal shock and erosion resistant tantalum carbide ceramic material
[NASA-CASE-LAR-11902-1] c 27 N78-17206

Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714

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[NASA-CASE-LEW-13269-1] c 18 N83-20996

THERMAL SIMULATION

Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481

THERMAL STABILITY

Bonded solid lubricant coating Patent
[NASA-CASE-XMS-00259] c 18 N70-36400

Portable environmental control system Patent
[NASA-CASE-XMS-09832-1] c 05 N71-11203

Metal containing polymers from cyclic tetrameric phenylphosphonitrimides Patent
[NASA-CASE-HQN-10364] c 06 N71-27363

Method of making a cermet Patent
[NASA-CASE-LEW-10219-1] c 18 N71-28729

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N78-32315

Sound-suppressing structure with thermal relief
[NASA-CASE-LEW-12658-1] c 71 N79-14871

Infusible silazane polymer and process for producing same — protective coatings
[NASA-CASE-XMF-02526-1] c 27 N79-21190

Catalytic trimerization of aromatic nitriles and triaryl-s-triazine nng cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307

Aluminum ion-containing polyimide adhesives
[NASA-CASE-LAR-12640-1] c 27 N82-11206

Metal phthalocyanine polymers
[NASA-CASE-ARC-11405-1] c 27 N83-12239

Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590

Fluoroether modified epoxy composites
[NASA-CASE-ARC-11418-1] c 24 N83-17603

Improved high temperature resistant polyimides
[NASA-CASE-LEW-13864-1] c 27 N83-17715

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Strain gage Patent Application
[NASA-CASE-FRC-10053] c 14 N70-35587

Multilegged support system Patent
[NASA-CASE-XLA-01326] c 11 N71-21481

Low cycle fatigue testing machine
[NASA-CASE-LAR-10270-1] c 32 N72-25877

Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057

Method for alleviating thermal stress damage in laminates — metal matrix composites
[NASA-CASE-LEW-12493-1] c 24 N81-17170

Method for alleviating thermal stress damage in laminates
[NASA-CASE-LEW-12493-2] c 24 N81-26179

Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674

THERMIONIC CATHODES

Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421

THERMIONIC CONVERTERS

Thode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898

Thermionic converter with current augmented by self induced magnetic field Patent
[NASA-CASE-XLE-01803] c 22 N71-23599

Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421

Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409

Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228

High current electrical lead — for thermionic converters
[NASA-CASE-LEW-10950-1] c 33 N74-27683

Electric power generation system directory from laser power
[NASA-CASE-NPO-13308-1] c 36 N75-30524

Nuclear thermionic converter — tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891

High thermal power density heat transfer — thermionic converters
[NASA-CASE-LEW-12950-1] c 34 N82-11399

THERMIONIC DIODES

Heat pipe thermionic diode power system Patent
[NASA-CASE-XMF-05843] c 03 N71-11055

Thermionic diode switch Patent
[NASA-CASE-NPO-10404] c 03 N71-12255

Micro current measuring device using plural logarithmic response heated filamentary type diodes Patent
[NASA-CASE-XNP-00384] c 09 N71-13530

Power system with heat pipe liquid coolant lines Patent
[NASA-CASE-MFS-14114] c 33 N71-27862

Uninsulated in-core thermionic diode
[NASA-CASE-NPO-10542] c 09 N72-27228

THERMIONIC EMITTERS

Thermionic tantalum emitter doped with oxygen Patent Application
[NASA-CASE-NPO-11138] c 03 N70-34646

THERMIONIC POWER GENERATION

Control for nuclear thermionic power source
[NASA-CASE-NPO-13114-2] c 73 N78-28913

Improved thermionic energy converters
[NASA-CASE-LEW-12443-1] c 44 N81-19561

THERMISTORS

Matched thermistors for microwave power meters Patent
[NASA-CASE-NPO-10348] c 10 N71-12554

Thermistor holder for skin temperature measurements
[NASA-CASE-ARC-10855-1] c 52 N77-10780

Wedge immersed thermistor bolometers
[NASA-CASE-XGS-01245-1] c 35 N79-33449

Directional flow sensor
[NASA-CASE-FRC-11074-1] c 35 N82-11436

THERMOCHEMISTRY

Thermochemical generation of hydrogen
[NASA-CASE-NPO-15015-1] c 25 N82-28368

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Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-1] c 14 N73-14428

Heat detection and compositions and devices therefor
[NASA-CASE-NPO-10764-2] c 35 N75-25122

THERMOCOUPLE PYROMETERS

Dual measurement ablation sensor
[NASA-CASE-LAR-10105-1] c 34 N74-15652

THERMOCOUPLES

Heat flux sensor assembly
[NASA-CASE-XMS-05909-1] c 14 N69-27459

Gas cooled high temperature thermocouple Patent
[NASA-CASE-XLE-09475-1] c 33 N71-15568

Weld control system using thermocouple wire Patent
[NASA-CASE-MFS-06074] c 15 N71-20393

Heat sensing instrument Patent
[NASA-CASE-XLA-01551] c 14 N71-22989

Thermocouple assembly Patent
[NASA-CASE-XNP-01659] c 14 N71-23039

Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199

Apparatus for sensing temperature
[NASA-CASE-XLE-05230] c 14 N72-27410

Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417

Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468

Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472

Thermocouple tape — developed from thermoelectrically different metals
[NASA-CASE-LEW-11072-2] c 35 N76-15434

Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409

Thermocouples of tantalum and rhenium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12050-1] c 35 N77-32454

Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346

Thermocouple, multiple junction reference oven
[NASA-CASE-FRC-10112-1] c 35 N81-26431

Solar energy control system — temperature measurement
[NASA-CASE-MFS-25287-1] c 44 N82-18686

Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 31 N83-19949

THERMODYNAMIC CYCLES

Solar engine
[NASA-CASE-LAR-12148-1] c 44 N82-24640

THERMODYNAMIC EFFICIENCY

Automatic compression adjusting mechanism for internal combustion engines
[NASA-CASE-MSC-18807-1] c 37 N81-29442

THERMODYNAMIC PROPERTIES

Thermal shock apparatus Patent
[NASA-CASE-XLE-02024] c 14 N71-22964
Foamed in place ceramic refractory insulating material Patent
[NASA-CASE-XGS-02435] c 18 N71-22998
Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049
Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
Heat pipe thermal switch
[NASA-CASE-GSC-12812-1] c 44 N83-12525

THERMOELECTRIC GENERATORS

Protection for energy conversion systems
[NASA-CASE-XGS-04808] c 03 N69-25146
Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037
Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136
Thermally cascaded thermoelectric generator
[NASA-CASE-NPO-10753] c 03 N72-26031

THERMOELECTRIC MATERIALS

Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
Segmenting lead telluride-silicon germanium thermoelements Patent
[NASA-CASE-XGS-05718] c 26 N71-16037

THERMOELECTRIC POWER GENERATION

Two-fluid magnetohydrodynamic system and method for thermal-electric power conversion Patent
[NASA-CASE-XNP-00644] c 03 N70-36803
Combined electrolysis device and fuel cell and method of operation Patent
[NASA-CASE-XLE-01645] c 03 N71-20904
Thermoelectric power system --- for spacecraft
[NASA-CASE-MFS-22002-1] c 44 N76-16612

THERMOELECTRICITY

Thermocouple tape
[NASA-CASE-LEW-11072-1] c 14 N73-24472
Apparatus and method for measuring the Seebeck coefficient and resistivity of materials
[NASA-CASE-NPO-11749] c 14 N73-28486

THERMOGRAVIMETRY

High performance filtering sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490

THERMOLUMINESCENCE

Method of detecting oxygen in a gas
[NASA-CASE-LAR-10668-1] c 06 N73-16106
Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210

THERMOMAGNETIC EFFECTS

Thermomagnetic recording and magneto-optic playback system having constant intensity laser beam control
[NASA-CASE-NPO-11317-2] c 36 N74-13205
Thermomagnetic recording and magnetic-optic playback system
[NASA-CASE-NPO-10872-1] c 35 N79-16246

THERMOMETERS

Platinum resistance thermometer circuit
[NASA-CASE-MSC-12327-1] c 35 N77-27368

THERMOPHYSICAL PROPERTIES

Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551
Apparatus for determining thermophysical properties of test specimens
[NASA-CASE-LAR-11883-1] c 09 N77-27131

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Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598
Horizon sensor with a plurality of fixedly positioned radiation compensated radiation sensitive detectors Patent
[NASA-CASE-XNP-06957] c 14 N71-21088
Irradiance measuring device
[NASA-CASE-NPO-11493] c 14 N73-12447

THERMOPLASTIC FILMS

Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

THERMOPLASTIC RESINS

Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233

Thermoplastic rubber comprising ethylene-vinyl acetate copolymer, asphalt and fluxing oil
[NASA-CASE-NPO-08835-1] c 27 N78-33228

Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076

Thermoset-thermoplastic aromatic polyamides
[NASA-CASE-LAR-12723-1] c 27 N81-15107

Method of making formulated plastic separators for soluble electrode cells
[NASA-CASE-LEW-12358-2] c 25 N82-21268

Induction heating gun
[NASA-CASE-LAR-12540-2] c 27 N82-24345

Polyphenylquinoxalines --- thermoplastic pendant phenylethynyl and ethynyl groups --- thermoplastic resins
[NASA-CASE-LAR-12838-1] c 27 N82-26463

One-step dual purpose joining technique
[NASA-CASE-LAR-12595-1] c 33 N82-26571

Advanced inorganic separators for alkaline batteries
[NASA-CASE-LEW-13171-1] c 44 N82-29708

A solvent resistant, thermoplastic aromatic poly(midesulfone) and process for preparing same
[NASA-CASE-LAR-12858-1] c 27 N83-13259

Ethynyl and substituted ethynyl-terminated polysulfones
[NASA-CASE-LAR-12931-1] c 23 N83-17590

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Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261
Heat sealable, flame and abrasion resistant coated fabric --- clothing and containers for space exploration
[NASA-CASE-MSC-18382-1] c 27 N82-16238

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Garments for controlling the temperature of the body
Patent
[NASA-CASE-XMS-10269] c 05 N71-24147

THERMOSETTING RESINS

Method for molding compounds Patent
[NASA-CASE-XLA-01091] c 15 N71-10672
Method and apparatus for bonding a plastics sleeve onto a metallic body Patent
[NASA-CASE-XLA-01262] c 15 N71-21404
Honeycomb panel and method of making same Patent
[NASA-CASE-XMF-01402] c 18 N71-21651

Method of forming shapes from planar sheets of thermosetting materials
[NASA-CASE-NPO-11036] c 15 N72-24522

Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151

Evacuated displacement compression molding
[NASA-CASE-LAR-10782-1] c 31 N74-14133

Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124

Evacuated, displacement compression mold --- of tubular bodies from thermosetting plastics
[NASA-CASE-LAR-10782-2] c 31 N75-13111

Cork-resin ablative insulation for complex surfaces and method for applying the same
[NASA-CASE-MFS-23626-1] c 24 N80-26388

Thermoset-thermoplastic aromatic polyamides
[NASA-CASE-LAR-12723-1] c 27 N81-15107

Polymeric compositions and their method of manufacture --- forming filled polymer systems using cryogenics
[NASA-CASE-NPO-10424-1] c 27 N81-24258

THERMOSTATS

Thermal switch Patent
[NASA-CASE-XNP-00463] c 33 N70-36847
Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N72-12409
Thermostatically controlled non-tracking type solar energy concentrator
[NASA-CASE-NPO-13497-1] c 44 N76-14602
Automatic thermal switch
[NASA-CASE-GSC-12553-1] c 33 N80-21671

THICK FILMS

Screened circuit capacitors
[NASA-CASE-LAR-10294-1] c 26 N72-28762

THICKNESS

Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
Thickness measurement system
[NASA-CASE-MFS-23721-1] c 31 N79-28370
Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163

THIN FILMS

Temperature sensitive capacitor device
[NASA-CASE-XNP-09750] c 14 N69-39937
Means and methods of depositing thin films on substrates Patent
[NASA-CASE-XNP-00595] c 15 N70-34967

Method of forming thin window drifted silicon charged particle detector Patent
[NASA-CASE-XLE-00808] c 24 N71-10560

Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647

GaAs solar detector using manganese as a doping agent Patent
[NASA-CASE-XNP-01328] c 26 N71-18064

Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466

Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395

Method of electrolytically binding a layer of semiconductors together Patent
[NASA-CASE-XNP-01959] c 26 N71-23043

Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701

Magnetic recording head and method of making same Patent
[NASA-CASE-GSC-10097-1] c 08 N71-27210

Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232

Microelectronic module package Patent
[NASA-CASE-XMS-02182] c 10 N71-28783

Fabrication of single crystal film semiconductor devices
[NASA-CASE-ERC-10222] c 09 N72-22199

Active microwave insens and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170

Light regulator
[NASA-CASE-LAR-10836-1] c 26 N72-27784

Thin film microwave ins
[NASA-CASE-LAR-10511-1] c 09 N72-29172

Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487

Light intensity strain analysis
[NASA-CASE-LAR-10765-1] c 32 N73-20740

Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751

Holographic thin film analyzer
[NASA-CASE-MFS-20823-1] c 16 N73-30476

Transparent switchboard
[NASA-CASE-MSC-13746-1] c 10 N73-32143

Method for determining thermo-physical properties of specimens --- photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
[NASA-CASE-LAR-11053-1] c 25 N74-18551

Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087

System for depositing thin films
[NASA-CASE-MFS-20775-1] c 31 N75-12161

Method of producing a storage bulb for an atomic hydrogen maser
[NASA-CASE-NPO-13050-1] c 36 N75-15029

Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365

Method of forming metal hydride films
[NASA-CASE-LEW-12083-1] c 37 N78-13436

Strong thin membrane structure --- solar sails
[NASA-CASE-NPO-14021-2] c 27 N80-16163

Method of forming dynamic membrane on stainless steel support
[NASA-CASE-MSC-18172-1] c 26 N80-19237

Partial interlaminar separation system for composites
[NASA-CASE-LAR-12065-1] c 24 N81-14000

Epitaxial thinning process
[NASA-CASE-NPO-15786-1] c 25 N82-26397

Thin film strain transducer --- for strain monitoring of high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632

Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N83-20757

THIN PLATES

Dichroic plate --- as bandpass filters
[NASA-CASE-NPO-13506-1] c 35 N76-15435

Adjustable securing base
[NASA-CASE-MSC-19666-1] c 37 N78-17383

THIN WALLED SHELLS

Thin-walled pressure vessel Patent
[NASA-CASE-XLE-04677] c 15 N71-10577

THIN WALLS

Channel-type shell construction for rocket engines and the like Patent
[NASA-CASE-XLE-00144] c 28 N70-34860

Sealed separable connection Patent
[NASA-CASE-NPO-10064] c 15 N71-17693

Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287

Differential pressure control
[NASA-CASE-MFS-14216] c 14 N73-13418

- Method of fabricating an article with cavities --- with thin bottom walls
[NASA-CASE-LAR-10318-1] c 31 N74-18089
- Method of fabricating an object with a thin wall having a precisely shaped slit
[NASA-CASE-LAR-10409-1] c 31 N74-21059
- THORIUM FLUORIDES**
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
- THORIUM OXIDES**
Nuclear thermionic converter --- tungsten-thorium oxide rods
[NASA-CASE-NPO-13121-1] c 73 N77-18891
- THREADS**
Inspection gage for boss Patent
[NASA-CASE-XMF-04966] c 14 N71-17658
Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254
- THREE DIMENSIONAL MOTION**
Solid state controller three axes controller
[NASA-CASE-MS-C-12394-1] c 08 N74-10942
- THRESHOLD GATES**
Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N72-11171
Radiation hardening of MOS devices by boron --- for stabilizing gate threshold potential
[NASA-CASE-GSC-11425-2] c 76 N75-25730
- THRESHOLD LOGIC**
SCR blocking pulse gate amplifier Patent
[NASA-CASE-XLA-07497] c 09 N71-12514
- THROATS**
Method of making a rocket nozzle
[NASA-CASE-XMF-06884-1] c 20 N79-21123
- THRUST AUGMENTATION**
Nozzle Patent
[NASA-CASE-XLA-00154] c 28 N70-33374
Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081
Reversed cowl flap inlet thrust augmentor --- with adjustable airfoil
[NASA-CASE-ARC-10754-1] c 07 N75-24736
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130
- THRUST BEARINGS**
Thrust bearing
[NASA-CASE-LEW-11949-1] c 37 N76-29588
- THRUST CHAMBER PRESSURE**
Pitch attitude stabilization system utilizing engine pressure ratio feedback signals
[NASA-CASE-LAR-12562-1] c 08 N81-26152
- THRUST CHAMBERS**
Rocket chamber leak test fixture
[NASA-CASE-XFR-09479] c 14 N69-27503
Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383
Rocket thrust chamber Patent
[NASA-CASE-XLE-00145] c 28 N70-36806
Method of making a rocket motor casing Patent
[NASA-CASE-XLE-00409] c 28 N71-15658
Rocket motor casing Patent
[NASA-CASE-XLE-05689] c 28 N71-15659
Rocket engine injector Patent
[NASA-CASE-XLE-03157] c 28 N71-24736
Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
Fluidic proportional thruster system
[NASA-CASE-ARC-10106-1] c 28 N72-22769
Ion thruster
[NASA-CASE-LEW-10770-1] c 28 N72-22770
Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606
Heat exchanger --- rocket combustion chambers and cooling systems
[NASA-CASE-LEW-12252-1] c 34 N79-13288
Heat exchanger and method of making --- bonding rocket chambers with a porous metal matrix
[NASA-CASE-LEW-12441-1] c 34 N79-13289
- THRUST CONTROL**
Electromechanical actuator
[NASA-CASE-XNP-05975] c 15 N69-23185
Apparatus and method for control of a solid fueled rocket vehicle Patent
[NASA-CASE-NXP-00217] c 28 N70-38181
Thrust and direction control apparatus Patent
[NASA-CASE-XLE-03583] c 31 N71-17629
Continuous detonation reaction engine Patent
[NASA-CASE-XMF-06926] c 28 N71-22983
High efficiency ionizer assembly Patent
[NASA-CASE-XNP-01954] c 28 N71-28850
Heated porous plug microthruster
[NASA-CASE-GSC-10640-1] c 28 N72-18766
- Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MS-C-19706-1] c 09 N78-31129
Fluid thrust control system --- for liquid propellant rocket engines
[NASA-CASE-XMF-05964-1] c 20 N79-21124
- THRUST LOADS**
Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382
- THRUST MEASUREMENT**
Thrust dynamometer Patent
[NASA-CASE-XLE-00702] c 14 N70-40203
Thrust dynamometer Patent
[NASA-CASE-XLE-05260] c 14 N71-20429
Precision thrust gage Patent
[NASA-CASE-XGS-02319] c 14 N71-22965
Micro-pound extended range thrust stand Patent
[NASA-CASE-GSC-10710-1] c 28 N71-27094
- THRUST REVERSAL**
Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293
- THRUST VECTOR CONTROL**
Thrust vector control apparatus Patent
[NASA-CASE-XLE-00208] c 28 N70-34294
Velocity package Patent
[NASA-CASE-XLA-01339] c 31 N71-15692
Ion beam deflector Patent
[NASA-CASE-LEW-10689-1] c 28 N71-26173
Tertiary flow injection thrust vectoring system Patent
[NASA-CASE-MFS-20831] c 28 N71-29153
Flight control system
[NASA-CASE-MS-C-13397-1] c 21 N72-25595
Rocket thrust throttling system
[NASA-CASE-LEW-10374-1] c 28 N73-13773
System for imposing directional stability on a rocket-propelled vehicle
[NASA-CASE-MFS-21311-1] c 20 N76-21275
- THRUST-WEIGHT RATIO**
Missile launch release system Patent
[NASA-CASE-XMF-03198] c 30 N70-40353
- THYRISTORS**
Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280
Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N82-24428
Three phase power factor controller with induced EMF sensing
[NASA-CASE-MFS-25852-1] c 33 N83-17803
Phase detector for three-phase power factor controller
[NASA-CASE-MFS-25854-1] c 33 N83-17804
- TILES**
Strain arrestor plate for fused silica tile --- bonding of thermal insulation to metallic plates or structural parts
[NASA-CASE-MS-C-14182-1] c 27 N76-14264
Diced tile thermal protection for spacecraft
[NASA-CASE-MS-C-16366-1] c 24 N79-23142
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MS-C-18791-1] c 37 N81-24446
High temperature emittance coatings and coating compositions --- repairing damaged space shuttle tiles in space
[NASA-CASE-MS-C-18851-1] c 27 N82-26460
Attachment system for silica tiles --- thermal protection for space shuttle orbiter
[NASA-CASE-MS-C-18741-1] c 27 N82-29456
Mechanical fastener
[NASA-CASE-LAR-12738-1] c 18 N82-33419
Method for repair of thin glass coatings --- on space shuttle orbiter tiles
[NASA-CASE-KSC-11097-1] c 27 N82-33520
Densification of porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MS-C-18737-1] c 24 N83-13171
Method of repairing surface damage to porous refractory substrates --- space shuttle orbiter tiles
[NASA-CASE-MS-C-18736-1] c 24 N83-13172
Shell tile thermal protection system
[NASA-CASE-LAR-12862-1] c 24 N83-17602
- TILT WING AIRCRAFT**
Free wing assembly for an aircraft
[NASA-CASE-FRC-10092-1] c 05 N79-12061
- TIME CONSTANT**
Variable time constant smoothing circuit Patent
[NASA-CASE-XGS-01983] c 10 N70-41964
- TIME DEPENDENCE**
An instrument for determining coincidence and elapse time between independent sources of random sequential events
[NASA-CASE-LAR-12531-1] c 35 N81-31529
- TIME DISCRIMINATION**
Ultra-long monostable multivibrator employing bistable semiconductor switch to allow charging of timing circuit Patent
[NASA-CASE-XGS-00381] c 09 N70-34819
- TIME DIVISION MULTIPLEXING**
Time division multiplex system
[NASA-CASE-XGS-05918] c 07 N69-39974
Time-division multiplexer Patent
[NASA-CASE-XNP-00431] c 09 N70-38998
Data processor having multiple sections activated at different times by selective power coupling to the sections Patent
[NASA-CASE-XGS-04767] c 08 N71-12494
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
Time division radio relay synchronizing system using different sync code words for in sync and out of sync conditions Patent
[NASA-CASE-GSC-10373-1] c 07 N71-19773
Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622
Programmable telemetry system Patent
[NASA-CASE-GSC-10131-1] c 07 N71-24624
- TIME FUNCTIONS**
Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659
- TIME LAG**
Closed loop ranging system Patent
[NASA-CASE-XNP-01501] c 21 N70-41930
Data compression system with a minimum time delay unit Patent
[NASA-CASE-XNP-08832] c 08 N71-12506
Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224
Automatic transponder --- measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350
Time delay and integration detectors using charge transfer devices
[NASA-CASE-GSC-12324-1] c 33 N81-33403
- TIME MEASUREMENT**
Time domain phase measuring apparatus
[NASA-CASE-GSC-12228-1] c 33 N79-10338
- TIME MEASURING INSTRUMENTS**
Measurement of time differences between luminous events Patent
[NASA-CASE-XLA-01987] c 23 N71-23976
- TIME OF FLIGHT SPECTROMETERS**
Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041
- TIME SERIES ANALYSIS**
Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MS-C-12428-1] c 10 N73-25240
- TIME SHARING**
Integrated time shared instrumentation display Patent
[NASA-CASE-XLA-01952] c 08 N71-12507
- TIME SIGNALS**
System for monitoring signal amplitude ranges
[NASA-CASE-XMS-04061-1] c 09 N69-39885
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326
Counter Patent
[NASA-CASE-XNP-06234] c 10 N71-27137
System for generating timing and control signals
[NASA-CASE-NPO-13125-1] c 33 N75-19519
Precise RF timing signal distribution to remote stations --- fiber optics
[NASA-CASE-NPO-14749-1] c 32 N81-14186
- TIMING DEVICES**
Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448
Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099
Resetttable monostable pulse generator Patent
[NASA-CASE-GSC-11139] c 09 N71-27016
Data transfer system Patent
[NASA-CASE-NPO-12107] c 08 N71-27255
High speed photo-optical time recording
[NASA-CASE-KSC-10294] c 14 N72-18411
Method of and apparatus for double-exposure holographic interferometry
[NASA-CASE-MFS-25405-1] c 35 N81-27459
- TIPS**
Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947

TIRES

- Excessive temperature warning system Patent
[NASA-CASE-XLA-01926] c 14 N71-15620
Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091

TISSUES (BIOLOGY)

- Servo-controlled intravital microscope system
[NASA-CASE-NPO-13214-1] c 35 N75-25123
Method and system for in vivo measurement of bone tissue using a two level energy source
[NASA-CASE-MSC-14276-1] c 52 N77-14737
System for and method of freezing biological tissue
[NASA-CASE-GSC-12173-1] c 51 N79-10694
Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
Apparatus and method of inserting a microelectrode in body tissue or the like using vibration means
[NASA-CASE-NPO-13910-1] c 52 N79-27836
Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

TITANATES

- Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-NPO-13532] c 18 N72-17532

TITANIUM

- Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443
Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
High performance filletting sealant
[NASA-CASE-ARC-11409-1] c 27 N82-32490

TITANIUM ALLOYS

- Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
Nondestructive spot test method for titanium and titanium alloys
[NASA-CASE-LAR-10539-1] c 17 N73-12547
Method and apparatus for coating substrates using lasers
[NASA-CASE-LEW-13526-1] c 26 N82-22347

TITANIUM NITRIDES

- Improved refractory coatings — sputtered coatings on substrates that form stable nitrides
[NASA-CASE-LEW-23169-2] c 26 N81-16209

TITANIUM OXIDES

- Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237

TOLERANCES (MECHANICS)

- Universal restrainer and joint Patent
[NASA-CASE-XNP-02278] c 15 N71-28951

TOLUENE

- Supercritical multicomponent solvent coal extraction
[NASA-CASE-NPO-15767-1] c 28 N82-12241
Supercritical solvent coal extraction
[NASA-CASE-NPO-15210-1] c 28 N82-26481

TOMOGRAPHY

- System for plotting subsol structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
The 3-dimensional and tomographic imaging device for X-ray and gamma-ray emitting objects
[NASA-CASE-GSC-12851-1] c 35 N83-20083

TOOLS

- Tool attachment for spreading loose elements away from work Patent
[NASA-CASE-XMF-02107] c 15 N71-10809
Adjustable attitude guide device Patent
[NASA-CASE-XLA-07911] c 15 N71-15571
Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536
Stud-bonding gun
[NASA-CASE-MFS-20299] c 15 N72-11392
Insert facing tool — manually operated cutting tool for forming studs in honeycomb material
[NASA-CASE-MFS-21485-1] c 37 N74-25968
Stator rotor tools
[NASA-CASE-MSC-16000-1] c 37 N78-24544
Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N81-24446
Tubing and cable cutting tool
[NASA-CASE-LAR-12786-1] c 37 N82-20545
Computer circuit card puller
[NASA-CASE-FRC-11042-1] c 60 N82-24839
Open ended tubing cutters
[NASA-CASE-MSC-18538-1] c 37 N82-26672
Connection system
[NASA-CASE-MSC-20319-1] c 37 N82-31889

- Tool for releasing optical elements
[NASA-CASE-GSC-12794-1] c 37 N83-12434

TOOTH DISEASES

- Process for the preparation of brushite crystals
[NASA-CASE-ERC-10338] c 04 N72-33072

TOPOGRAPHY

- Method for observing the features characterizing the surface of a land mass
[NASA-CASE-FRC-11013-1] c 43 N81-17499

TORCHES

- Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607
Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421

TOROIDAL SHELLS

- Toroidal cell and battery — storage battery for high amp-hour load applications
[NASA-CASE-LEW-12918-1] c 44 N81-24521

TOROIDS

- Flux sensing device using a tubular core with toroidal gating coil and solenoidal output coil wound thereon Patent
[NASA-CASE-XGS-01881] c 09 N70-40123
A brushless dc tachometer
[NASA-CASE-NPO-15706-1] c 35 N82-26633

TORQUE

- Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744
Isolation coupling arrangement for a torque measuring system
[NASA-CASE-XLA-04897] c 15 N72-22482
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383
Acoustic driving of rotor
[NASA-CASE-NPO-14005-1] c 71 N79-20827
Acoustic rotation control
[NASA-CASE-NPO-15689-1] c 35 N82-24475
Magnetic field control — electromechanical torquing device
[NASA-CASE-MFS-23828-1] c 33 N82-26569
Missile rolling tail brake torque system — simulating bearing friction on canard controlled missiles
[NASA-CASE-LAR-12751-1] c 37 N82-26675
Directional gear ratio transmission
[NASA-CASE-LAR-12644-1] c 37 N82-29605

TORQUE MOTORS

- Low speed phaselock speed control system — for brushless dc motor
[NASA-CASE-GSC-11127-1] c 09 N75-24758
Magnetic bearing and motor
[NASA-CASE-GSC-12725-1] c 37 N82-29603

TORQUEMETERS

- Optical torquemeter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
Balance torquemeter Patent
[NASA-CASE-XGS-01013] c 14 N71-23725
Pressure suit joint analyzer
[NASA-CASE-ARC-11314-1] c 54 N82-26987

TORSO

- Restraint torso for a pressurized suit
[NASA-CASE-MSC-12397-1] c 05 N72-25119
Spacesuit torso closure
[NASA-CASE-ARC-11100-1] c 54 N78-31736

TOUCH

- Mechanically actuated triggered hand
[NASA-CASE-MFS-20413] c 15 N72-21463
Method for measuring cutaneous sensory perception
[NASA-CASE-MSC-13609-1] c 05 N72-25122
Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013

TOWED BODIES

- Apparatus for releasably connecting first and second objects in predetermined space relationship
[NASA-CASE-MSC-18969-1] c 15 N82-28318

TOWERS

- Aerial capsule emergency separation device Patent
[NASA-CASE-XLA-00115] c 03 N70-33343

TOXICITY

- Glass compositions with a high modulus of elasticity — nontoxic glass fibers
[NASA-CASE-HQN-10274-1] c 27 N82-29451

TOXICITY AND SAFETY HAZARD

- Apparatus for remote handling of materials — mixing or analyzing dangerous chemicals
[NASA-CASE-LAR-10634-1] c 37 N74-18123

TOXICOLOGY

- Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875

TRACE CONTAMINANTS

- Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-NPO-10144] c 14 N71-17701

- Method for removing oxygen impurities from cesium Patent
[NASA-CASE-XNP-04262-2] c 17 N71-26773

- Electric discharge for treatment of trace contaminants
[NASA-CASE-ARC-10975-1] c 33 N79-15245

TRACE ELEMENTS

- Ion microprobe mass spectrometer for analyzing fluid materials Patent
[NASA-CASE-ERC-10014] c 14 N71-28863
Automated system for identifying traces of organic chemical compounds in aqueous solutions
[NASA-CASE-NPO-13063-1] c 25 N76-18245
Nulling device for detection of trace gases by NDIR absorption
[NASA-CASE-ARC-10760-1] c 25 N76-22323
Thermoluminescent aerosol analysis
[NASA-CASE-LAR-12046-1] c 25 N78-15210

TRACKING (POSITION)

- Plurality of photosensitive cells on a pyramidal base for planetary trackers
[NASA-CASE-HQN-04180] c 07 N69-39736
Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699
Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125
Mount for continuously orienting a collector dish in a system adapted to perform both diurnal and seasonal solar tracking
[NASA-CASE-MFS-23267-1] c 35 N77-20401
System and method for tracking a signal source — employing feedback control
[NASA-CASE-HQN-10880-1] c 17 N78-17140
Sun tracking solar energy collector
[NASA-CASE-NPO-13921-1] c 44 N79-14526

TRACKING FILTERS

- Automatic acquisition system for phase-lock loop
[NASA-CASE-XGS-04994] c 09 N69-21543
Apparatus and method for stabilized phase detection for binary signal tracking loops
[NASA-CASE-MSC-16461-1] c 33 N79-11313
PN lock indicator for dithered PN code tracking loop
[NASA-CASE-NPO-14435-1] c 33 N81-33405
Apparatus and method for tracking the fundamental frequency of an analog input signal
[NASA-CASE-ARC-11367-1] c 33 N83-21238

TRACKING RADAR

- Monopulse system with an electronic scanner
[NASA-CASE-XGS-05582] c 07 N69-27460
Phase-locked loop with sideband rejecting properties Patent
[NASA-CASE-XNP-02723] c 07 N70-41680
Radar antenna system for acquisition and tracking Patent
[NASA-CASE-XMS-09610] c 07 N71-24625
Acquisition and tracking system for optical radar
[NASA-CASE-MFS-20125] c 16 N72-13437
Synthetic aperture radar target simulator
[NASA-CASE-NPO-15024-1] c 32 N82-10286

TRACKING STATIONS

- Optical monitor panel Patent
[NASA-CASE-XKS-03509] c 14 N71-23175
Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854

TRAFFIC CONTROL

- Traffic survey system — using optical scanners
[NASA-CASE-MFS-22631-1] c 66 N76-19888

TRAILERS

- Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

TRAILING EDGES

- Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715

TRAILING-EDGE FLAPS

- Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
Variable area exhaust nozzle
[NASA-CASE-LEW-12378-1] c 07 N79-14097
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N82-18203

TRAINING SIMULATORS

- Mechanical simulator of low gravity conditions Patent
[NASA-CASE-MFS-10555] c 11 N71-19494
Subgravity simulator Patent
[NASA-CASE-XMS-04798] c 11 N71-21474
Kinesthetic control simulator — for pilot training
[NASA-CASE-LAR-10276-1] c 09 N75-15662

TRAJECTORY ANALYSIS

- Means for visually indicating flight paths of vehicles between the Earth, Venus, and Mercury Patent
[NASA-CASE-XNP-00708] c 14 N70-35394
Method of planetary atmospheric investigation using a split-trajectory dual flyby mode Patent
[NASA-CASE-XAC-08494] c 30 N71-15990

TRAJECTORY CONTROL

- Trajectory-correction propulsion system Patent
[NASA-CASE-XNP-01104] c 28 N70-39931
- Technique for control of free-flight rocket vehicles Patent
[NASA-CASE-XLA-00937] c 31 N71-17691
- Apparatus for automatically stabilizing the attitude of a nonguided vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873

TRANSDUCERS

- Pressure variable capacitor
[NASA-CASE-XNP-09752] c 14 N69-21541
- Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516
- Vibrating structure displacement measuring instrument Patent
[NASA-CASE-XLA-03135] c 32 N71-16428
- Contour surveying system Patent
[NASA-CASE-XLA-08646] c 14 N71-17586
- Rotary bead dropper and selector for testing micrometeorite detectors Patent
[NASA-CASE-XGS-03304] c 09 N71-22988
- Self-calibrating displacement transducer Patent
[NASA-CASE-XLA-00781] c 09 N71-22999
- Extensometer frame
[NASA-CASE-XLA-10322] c 15 N72-17452
- Split range transducer
[NASA-CASE-XLA-11189] c 10 N72-20222
- Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200
- Magnifying scratch gage force transducer
[NASA-CASE-LAR-10496-1] c 14 N72-22437
- Intruder detection system
[NASA-CASE-ARC-10097-2] c 07 N73-25160
- Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379
- Demodulator for carrier transducers
[NASA-CASE-NUC-10107-1] c 33 N74-17930
- LC-oscillator with automatic stabilized amplitude via bias current control --- power supply circuit for transducers
[NASA-CASE-MFS-21698-1] c 33 N74-26732
- Arterial pulse wave pressure transducer
[NASA-CASE-GSC-11531-1] c 52 N74-27566
- Diode-quad bridge circuit means
[NASA-CASE-ARC-10364-3] c 33 N75-19520
- Subminiature insertable force transducer --- including a strain gage to measure forces in muscles
[NASA-CASE-NPO-13423-1] c 33 N75-31329
- Self-supporting strain transducer
[NASA-CASE-LAR-11263-1] c 35 N75-33369
- Miniature muscle displacement transducer
[NASA-CASE-NPO-13519-1] c 33 N76-19338
- Method and apparatus for nondestructive testing of pressure vessels
[NASA-CASE-NPO-12142-1] c 38 N76-28563
- Myocardium wall thickness transducer and measuring method
[NASA-CASE-NPO-13644-1] c 52 N76-29895
- Solar cell angular position transducer
[NASA-CASE-LAR-11999-1] c 44 N80-18552
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
- Multifunctional transducer
[NASA-CASE-NPO-14329-1] c 52 N81-20703
- Heat pipe cooled probe
[NASA-CASE-LAR-12588-1] c 44 N81-24525
- Photomechanical transducer
[NASA-CASE-NPO-14363-1] c 39 N81-25400
- Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470
- Thin film strain transducer --- for strain monitoring of high altitude balloons
[NASA-CASE-WLP-10055-1] c 35 N82-26632
- Strain gage calibration
[NASA-CASE-LAR-12743-1] c 35 N82-32661

TRANSFER FUNCTIONS

- Method and apparatus for transfer function simulator for testing complex systems
[NASA-CASE-NPO-15696-1] c 36 N82-28619

TRANSFORMERS

- Signal multiplexer
[NASA-CASE-XGS-01110] c 07 N69-24334
- Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057
- Saturation current protection apparatus for saturable core transformers Patent
[NASA-CASE-ERC-10075] c 09 N71-24800
- Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893
- Electronically resettable fuse Patent
[NASA-CASE-XGS-11177] c 09 N71-27001
- Voltage regulator Patent
[NASA-CASE-ERC-10113] c 09 N71-27053

- Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
- Saturation current protection apparatus for saturable core transformers
[NASA-CASE-ERC-10075-2] c 09 N72-22196
- Falsafe multiple transformer circuit configuration
[NASA-CASE-NPO-11078] c 09 N72-25262
- Banded transformer cores
[NASA-CASE-NPO-11966-1] c 33 N74-17928
- Solid-state current transformer
[NASA-CASE-MFS-22560-1] c 33 N77-14335
- Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295
- Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415
- Three phase power factor controller
[NASA-CASE-MFS-25535-1] c 33 N81-12330
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
- Low current linearization of magnetic amplifier for dc transducer
[NASA-CASE-NPO-14617-1] c 33 N81-24338
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- Non-contacting power transfer device
[NASA-CASE-GSC-12595-1] c 33 N82-24422
- TRANSIENT HEATING**
- Thermocouple installation
[NASA-CASE-NPO-13540-1] c 35 N77-14409
- Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- TRANSIENT LOADS**
- Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874
- TRANSISTOR AMPLIFIERS**
- Apparatus for overcurrent protection of a push-pull amplifier Patent
[NASA-CASE-MSC-12033-1] c 09 N71-13531
- Low noise tuned amplifier
[NASA-CASE-GSC-12567-1] c 33 N82-11359
- TRANSISTOR CIRCUITS**
- Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317
- Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
- Pulse counting circuit which simultaneously indicates the occurrence of the nth pulse Patent
[NASA-CASE-XMF-00906] c 09 N70-41655
- Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
- Switching circuit employing regeneratively connected complementary transistors Patent
[NASA-CASE-XNP-02654] c 10 N70-42032
- High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516
- Complementary regenerative switch Patent
[NASA-CASE-XGS-02751] c 09 N71-23015
- Transistor drive regulator Patent
[NASA-CASE-LEW-10233] c 10 N71-27126
- Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926
- Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
- Ultra-stable oscillator with complementary transistors
[NASA-CASE-GSC-11513-1] c 33 N74-20862
- Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333
- Temperature compensated current source
[NASA-CASE-MSC-11235] c 33 N78-17294
- Inductorless narrow-band filter/amplifier
[NASA-CASE-GSC-12410-1] c 33 N79-24260
- Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404
- Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494
- TRANSISTORS**
- Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543
- Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799
- Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415

- Fast response low power drain logic circuits
[NASA-CASE-GSC-10878-1] c 10 N72-22236
- Coaxial inverted geometry transistor having tuned emitter
[NASA-CASE-ARC-10330-1] c 09 N73-32112
- Four phase logic systems --- including integrated microcircuits
[NASA-CASE-MSC-14240-1] c 33 N75-14957
- Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321
- Circuit for automatic load sharing in parallel converter modules
[NASA-CASE-NPO-14056-1] c 33 N79-24257
- Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220

TRANSITION FLOW

- Ablation article and method
[NASA-CASE-LAR-10439-1] c 33 N73-27796

TRANSITION TEMPERATURE

- Process for preparing thermoplastic aromatic polyimides
[NASA-CASE-LAR-11828-1] c 27 N78-32261

TRANSLATIONAL MOTION

- Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815
- Translating horizontal tail Patent
[NASA-CASE-XLA-08801-1] c 02 N71-11043
- Semi-linear ball bearing Patent
[NASA-CASE-XLA-02809] c 15 N71-22982
- Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462

TRANSLATORS

- Serial data correlator/code translator
[NASA-CASE-KSC-11025-1] c 32 N83-13323

TRANSMISSION EFFICIENCY

- Microwave power transmission system wherein level of transmitted power is controlled by reflections from receiver
[NASA-CASE-MFS-21470-1] c 44 N74-19870
- Linear phase demodulator including a phase locked loop with auxiliary feedback loop
[NASA-CASE-GSC-12018-1] c 33 N77-14334

TRANSMISSION LINES

- Validation device for spacecraft checkout equipment Patent
[NASA-CASE-XKS-10543] c 07 N71-26292
- Collapsible antenna boom and transmission line Patent
[NASA-CASE-MFS-20068] c 07 N71-27191
- Phase modulator Patent
[NASA-CASE-MSC-13201-1] c 07 N71-28429
- Shielded flat cable
[NASA-CASE-MFS-13687-2] c 09 N72-22198
- Phase control circuits using frequency multiplications for phased array antennas
[NASA-CASE-ERC-10285] c 10 N73-16206
- Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956
- System for stabilizing cable phase delay utilizing a coaxial cable under pressure
[NASA-CASE-NPO-13138-1] c 33 N74-17927
- Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310
- System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415

TRANSMISSIONS (MACHINE ELEMENTS)

- Compensating linkage for main rotor control
[NASA-CASE-LAR-11797-1] c 05 N81-19087
- Directional gear ratio transmission
[NASA-CASE-LAR-12644-1] c 37 N82-29605

TRANSMITTER RECEIVERS

- Integrated thermoelectric generator/space antenna combination
[NASA-CASE-XER-09521] c 09 N72-12136
- Location identification system
[NASA-CASE-ERC-10324] c 07 N72-25173
- Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
- Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524

TRANSMITTERS

- Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840
- Two carrier communication system with single transmitter
[NASA-CASE-NPO-11548] c 07 N73-26118
- Miniature multichannel biotelemetry system
[NASA-CASE-NPO-13065-1] c 52 N74-26625
- Digital transmitter for data bus communications system
[NASA-CASE-MSC-14558-1] c 32 N75-21486

Apparatus for endoscopic examination -- analysis of the propulsion system configuration and transmitter
[NASA-CASE-NPO-14092-1] c 52 N80-16725
A single frequency multitransmitter telemetry system
[NASA-CASE-LAR-13006-1] c 17 N83-20995

TRANSONIC SPEED

Leading edge curvature based on convective heating
Patent
[NASA-CASE-XLA-01486] c 01 N71-23497

TRANSONIC WIND TUNNELS

Wind tunnel test section
[NASA-CASE-MFS-20509] c 11 N72-17183

TRANSPARENCY

Helmet assembly and latch means therefor Patent
[NASA-CASE-XMS-04935] c 05 N71-11190
Method and apparatus for producing an image from a transparent object
[NASA-CASE-GSC-11989-1] c 74 N77-28932
Method of fabricating a photovoltaic module of a substantially transparent construction
[NASA-CASE-NPO-14303-1] c 44 N80-18550

TRANSPARATION

Rocket chamber and method of making
[NASA-CASE-LEW-11118-2] c 20 N76-14191

TRANSPONDERS

Dynamic Doppler simulator Patent
[NASA-CASE-XMS-05454-1] c 07 N71-12391
Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118
Code regenerative clean-up loop transponder for a mu-type ranging system
[NASA-CASE-NPO-11707] c 07 N73-25161
Automatic vehicle location system
[NASA-CASE-NPO-11850-1] c 32 N74-12912
Simultaneous acquisition of tracking data from two stations
[NASA-CASE-NPO-13292-1] c 32 N75-15854
Automatic transponder -- measurement of the internal delay time of a transponder
[NASA-CASE-GSC-12075-1] c 32 N77-31350

TRANSPORTATION

Supporting and protecting device Patent
[NASA-CASE-XMF-00580] c 11 N70-35383

TRANSVERSE ACCELERATION

Rim inertial measuring system
[NASA-CASE-LAR-12052-1] c 18 N81-29152

TRAPS

Deep trap, laser activated image converting system
[NASA-CASE-NPO-13131-1] c 36 N75-19652

TRAVELING WAVE AMPLIFIERS

Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
Traveling wave solid state amplifier utilizing a semiconductor with negative differential mobility
[NASA-CASE-HQN-10069] c 33 N75-27251
Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348

TRAVELING WAVE MASERS

Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550
High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831
Independent gain and bandwidth control of a traveling wave maser
[NASA-CASE-NPO-13801-1] c 36 N78-18410

TRAVELING WAVE TUBES

Segmented superconducting magnet for a broadband traveling wave maser Patent
[NASA-CASE-XGS-10518] c 16 N71-28554
Traveling wave tube circuit
[NASA-CASE-LEW-12013-1] c 33 N79-10339
Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N80-19425
Multistage depressed collector for dual mode operation -- for microwave transmitting tubes
[NASA-CASE-LEW-13282-1] c 33 N82-24415

TRAVELING WAVES

Maser for frequencies in the 7-20 GHz range
[NASA-CASE-NPO-11437] c 16 N72-28521

TREADMILLS

Tread drum for animals -- having an electrical shock station
[NASA-CASE-ARC-10917-1] c 51 N78-27733

TRIGGER CIRCUITS

Ring counter
[NASA-CASE-XGS-03095] c 09 N69-27463
Electric arc driven wind tunnel Patent
[NASA-CASE-XMF-00411] c 11 N70-36913
Automatic signal range selector for measuring devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244
Multivibrator circuit with means to prevent false triggering from supply voltage fluctuations Patent
[NASA-CASE-ARC-10137-1] c 09 N71-28468

SCR lamp driver

[NASA-CASE-GSC-10221-1] c 09 N72-23171
Rapidly pulsed, high intensity, incoherent light source
[NASA-CASE-XLE-2529-3] c 33 N74-20859
Pulsed thyristor trigger control circuit
[NASA-CASE-MFS-25616-1] c 33 N82-24428

TRIGONOMETRY

Trigonometric vehicle guidance assembly which aligns the three perpendicular axes of two three-axes systems
Patent
[NASA-CASE-XMF-00684] c 21 N71-21688

TRIMERS

Trifunctional alcohol
[NASA-CASE-NPO-10714] c 06 N69-31244
Trimerization of aromatic nitriles
[NASA-CASE-LEW-12053-1] c 27 N78-15276
Catalytic trimerization of aromatic nitriles and triaryl-s-triazine ring cross-linked high temperature resistant polymers and copolymers made thereby
[NASA-CASE-LEW-12053-2] c 27 N79-28307

TRIODES

Triode thermionic energy converter
[NASA-CASE-XLE-01015] c 03 N69-39898

TRITIUM

Method for determining the state of charge of batteries by the use of tracers Patent
[NASA-CASE-XNP-01464] c 03 N71-10728
Method and apparatus for producing concentric hollow spheres
[NASA-CASE-NPO-14596-3] c 27 N82-26461

TROPOPAUSE

CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040

TRUCKS

Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477
Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

TRUSSES

Low mass truss structure
[NASA-CASE-LAR-10546-1] c 11 N72-25287
Lightweight structural columns -- space erectable trusses
[NASA-CASE-LAR-12095-1] c 31 N81-25258
Structural members, method and apparatus
[NASA-CASE-MSC-16217-1] c 31 N81-27323

TUBE GRIDS

Method for fabricating solar cells having integrated collector grids
[NASA-CASE-LEW-12819-2] c 44 N79-18444

TUBE HEAT EXCHANGERS

Electrothermal rockets having improved heat exchangers Patent
[NASA-CASE-XLE-01783] c 28 N70-34175
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518

TUBES

Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
Tube sealing device Patent
[NASA-CASE-NPO-10431] c 15 N71-29132

TUMBLING MOTION

Tumbler system to provide random motion
[NASA-CASE-XGS-02437] c 15 N69-21472
Aircraft body-axis rotation measurement system
[NASA-CASE-FRC-11043-1] c 06 N81-22048

TUMORS

Liquid cooled brassiere and method of diagnosing malignant tumors therewith
[NASA-CASE-ARC-11007-1] c 52 N77-14736

TUNABLE LASERS

Tunable injection-locked pulsed CO₂ laser
[NASA-CASE-NPO-14984-1] c 36 N81-15350
Spatial energy distribution -- scanning a tunable diode laser beam automatically
[NASA-CASE-LAR-12631-1] c 35 N82-18557

TUNGSTEN

Bonding thermoelectric elements to nonmagnetic refractory metal electrodes
[NASA-CASE-XGS-04554] c 15 N69-39786
Method of producing porous tungsten ionizers for ion rocket engines Patent
[NASA-CASE-XLE-00455] c 28 N70-38197
Small plasma probe Patent
[NASA-CASE-XLE-02578] c 25 N71-20747
Fabrication of controlled-porosity metals Patent
[NASA-CASE-XNP-04339] c 17 N71-29137
Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259

Nuclear thermionic converter -- tungsten-thorium oxide rods

[NASA-CASE-NPO-13121-1] c 73 N77-18891

TUNGSTEN ALLOYS

Evaporant holder
[NASA-CASE-XLA-03105] c 15 N69-27483
Cobalt-base alloy
[NASA-CASE-LEW-10436-1] c 17 N73-32415
Directionally solidified eutectic gamma plus beta nickel-base superalloys
[NASA-CASE-LEW-12906-1] c 26 N77-32279

TUNING

Active tuned circuit
[NASA-CASE-GSC-11340-1] c 10 N72-33230
Magnetically actuated tuning method for Gunn oscillators
[NASA-CASE-NPO-12106] c 09 N73-15235
Tuned analog network -- bandpass filter networks
[NASA-CASE-GSC-12650-1] c 33 N82-10324
Low noise tuned amplifier
[NASA-CASE-LEW-12567-1] c 33 N82-11359

TUNNEL DIODES

Low power drain semi-conductor circuit
[NASA-CASE-XGS-04999] c 09 N69-24317

TUNNELING (EXCAVATION)

Intrusion detection method and apparatus -- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N81-19430

TUNNELS

Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540

TURBINE BLADES

Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Modification and improvements to cooled blades Patent
[NASA-CASE-XLE-00092] c 15 N70-33264
High temperature nickel-base alloy Patent
[NASA-CASE-XLE-00151] c 17 N70-33283
External liquid-spray cooling of turbine blades Patent
[NASA-CASE-XLE-00037] c 28 N70-33372
Liquid spray cooling method Patent
[NASA-CASE-XLE-00027] c 33 N71-29152
Welding blades to rotors
[NASA-CASE-LEW-10533-1] c 15 N73-28515
Leading edge protection for composite blades
[NASA-CASE-LEW-12550-1] c 24 N77-19170
Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660
Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-2] c 37 N82-26674
Method of protecting a surface with a silicon-slurry/aluminate coating -- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 44 N82-29713
Tip cap for a rotor blade
[NASA-CASE-LEW-13654-1] c 07 N83-14129

TURBINE ENGINES

High speed, self-acting shaft seal -- for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631
Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118
Composite seal for turbomachinery -- backings for turbine engine shrouds
[NASA-CASE-LEW-12131-1] c 37 N79-18318
Self stabilizing sonic inlet
[NASA-CASE-LEW-11890-1] c 05 N79-24976
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658
Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715

TURBINE PUMPS

Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057
Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654
Supersonic-combustion rocket
[NASA-CASE-LEW-11058-1] c 20 N74-13502
Supercharged topping rocket propellant feed system
[NASA-CASE-XLE-02062-1] c 20 N80-14188

TURBINE WHEELS

Locking device for turbine rotor blades Patent
[NASA-CASE-XNP-00816] c 28 N71-28928
Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300

Blade retainer assembly
[NASA-CASE-LEW-12608-1] c 07 N77-27116

TURBINES
Rotating shaft seal Patent
[NASA-CASE-XNP-02862-1] c 15 N71-26294

TURBOCOMPRESSORS
Multistage multiple-reentry turbine Patent
[NASA-CASE-XLE-00170] c 15 N70-36412
Apparatus and method for reducing thermal stress in a turbine rotor
[NASA-CASE-LEW-12232-1] c 07 N79-10057
Diesel engine catalytic combustor system --- turbocharging
[NASA-CASE-LEW-12995-1] c 37 N80-26659

TURBOFAN ENGINES
Supersonic fan blading --- noise reduction in turbofan engines
[NASA-CASE-LEW-11402-1] c 07 N74-28226
Noise suppressor --- for turbofan engine by incorporating annular acoustically porous elements in exhaust and inlet ducts
[NASA-CASE-LAR-11141-1] c 07 N74-32418
Noise suppressor for turbo fan jet engines
[NASA-CASE-ARC-10812-1] c 07 N76-18131
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116
Thrust reverser for a long duct fan engine --- for turbofan engines
[NASA-CASE-LEW-13199-1] c 07 N82-26293

TURBOFANS
Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025
Reverse pitch fan with divided splitter
[NASA-CASE-LEW-12760-1] c 07 N77-17059

TURBOJET ENGINE CONTROL
Integrated control system for a gas turbine engine
[NASA-CASE-LEW-12594-2] c 07 N81-19116

TURBOJET ENGINES
Telescoping-spike supersonic inlet for aircraft engines Patent
[NASA-CASE-XLE-00005] c 28 N70-39899
Gas turbine combustion apparatus Patent
[NASA-CASE-XLE-103477-1] c 28 N71-20330
Reduction of nitric oxide emissions from a combustor
[NASA-CASE-ARC-10814-2] c 07 N80-26298

TURBOMACHINE BLADES
Platform for a swing root turbomachinery blade
[NASA-CASE-LEW-12312-1] c 07 N77-32148
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-2] c 37 N80-26658

TURBOMACHINERY
Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
Centrifugal-reciprocating compressor
[NASA-CASE-NPO-14597-1] c 37 N79-23431
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
Fully plasma-sprayed compliant backed ceramic turbine seal
[NASA-CASE-LEW-13268-1] c 27 N82-29453
Method of fabricating an abradable gas path seal
[NASA-CASE-LEW-13269-2] c 27 N83-17714

TURBOSHAPTS
Optical torque meter Patent
[NASA-CASE-XLE-00503] c 14 N70-34818
High speed, self-acting shaft seal --- for use in turbine engines
[NASA-CASE-LEW-11274-1] c 37 N75-21631
Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660

TURBULENCE METERS
Hot foil transducer skin friction sensor
[NASA-CASE-LAR-12321-1] c 35 N82-24470

TURBULENT BOUNDARY LAYER
Sound shield
[NASA-CASE-LAR-12883-1] c 71 N83-17235

TURBULENT FLOW
Exhaust flow deflector --- for ducted gas flow
[NASA-CASE-LAR-11570-1] c 34 N76-18364
System for measuring Reynolds in a turbulently flowing fluid --- signal processing
[NASA-CASE-ARC-10755-2] c 34 N76-27517
System for measuring three fluctuating velocity components in a turbulently flowing fluid
[NASA-CASE-ARC-10974-1] c 34 N77-27345

Detection of the transitional layer between laminar and turbulent flow areas on a wing surface --- using an accelerometer to measure pressure levels during wind tunnel tests
[NASA-CASE-LAR-12261-1] c 02 N80-20224
Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639

TURNSTILE ANTENNAS
Method and means for damping nutation in a satellite Patent
[NASA-CASE-XMF-00442] c 31 N71-10747
Broadband modified turnstile antenna Patent
[NASA-CASE-MSC-12209] c 09 N71-24842
Turnstile slot antenna
[NASA-CASE-GSC-11428-1] c 32 N74-20864
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372

TURRET
Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182

TWISTING
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279

TWO BODY PROBLEM
Instrument for measuring potentials on two dimensional electric field plots Patent
[NASA-CASE-XLA-08493] c 10 N71-19421

TWO DIMENSIONAL BODIES
Two-dimensional radiant energy array computers and computing devices
[NASA-CASE-GSC-11839-1] c 60 N77-14751

TWO PHASE FLOW
Two-step rocket engine bipropellant valve Patent
[NASA-CASE-XMS-04890-1] c 15 N70-22192
Booster tank system Patent
[NASA-CASE-MSC-12390] c 27 N71-29155
Two phase flow system with discrete impinging two-phase jets
[NASA-CASE-NPO-11556] c 12 N72-25292
Method and turbine for extracting kinetic energy from a stream of two-phase fluid
[NASA-CASE-NPO-14130-1] c 34 N79-20335
Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660

TWO STAGE TURBINES
Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660

TYPEWRITERS
Guide for a typewriter
[NASA-CASE-MFS-15218-1] c 37 N77-19457

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U BENDS
Technique of elbow bending small jacketed transfer lines Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129

ULCERS
Indomethacin-anthistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-2] c 52 N81-14613
Indomethacin-anthistamine combination for gastric ulceration control
[NASA-CASE-ARC-11118-1] c 52 N81-29764

ULLAGE
Penetrating radiation system for detecting the amount of liquid in a tank Patent
[NASA-CASE-MSC-12280] c 27 N71-16348

ULTRAHIGH FREQUENCIES
Turnstile and flared cone UHF antenna
[NASA-CASE-LAR-10970-1] c 33 N76-14372
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524

ULTRAHIGH VACUUM
Method of lubricating rolling element bearings Patent
[NASA-CASE-XLE-09527] c 15 N71-17688
Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390
Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324
In situ transfer standard for ultrahigh vacuum gauge calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092

ULTRAPURE METALS
Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890

ULTRASONIC AGITATION
Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514

ULTRASONIC CLEANING
Acoustic tooth cleaner
[NASA-CASE-LAR-12471-1] c 52 N82-29862

ULTRASONIC FLAW DETECTION
Length mode piezoelectric ultrasonic transducer for inspection of solid objects
[NASA-CASE-MSC-19672-1] c 38 N79-14398

ULTRASONIC RADIATION
Ultrasonic biomedical measuring and recording apparatus --- for recording motion of internal organs such as heart valves
[NASA-CASE-ARC-10597-1] c 52 N74-20726
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-1] c 52 N76-33835
Biomedical ultrasonoscope
[NASA-CASE-ARC-10994-2] c 52 N79-26771

ULTRASONIC TESTS
Ultrasonic scanner for radial and flat panels
[NASA-CASE-MFS-20335-1] c 35 N74-10415
Ultrasonic scanning system for in-place inspection of brazed tube joints
[NASA-CASE-MFS-20767-1] c 38 N74-15130
Method and apparatus for nondestructive testing --- using high frequency arc discharges
[NASA-CASE-MFS-21233-1] c 38 N74-15395
CW ultrasonic bolt tensioning monitor
[NASA-CASE-LAR-12016-1] c 39 N78-15512

ULTRASONIC WAVE TRANSDUCERS
Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
Ultrasonic bone densitometer
[NASA-CASE-MFS-20994-1] c 35 N75-12271
Reference apparatus for medical ultrasonic transducer
[NASA-CASE-ARC-10753-1] c 54 N75-27760
Ultrasonic calibration device --- for producing changes in acoustic attenuation and phase velocity
[NASA-CASE-LAR-11435-1] c 35 N76-15432
Coupling apparatus for ultrasonic medical diagnostic system
[NASA-CASE-NPO-13935-1] c 52 N79-14751
CDS solid state phase insensitive ultrasonic transducer --- annealing cadmium sulfide crystals
[NASA-CASE-LAR-12304-1] c 35 N80-20559
Liquid-immersible electrostatic ultrasonic transducer
[NASA-CASE-LAR-12465-1] c 33 N82-26572
Ultrasonic transducer with Gaussian radial pressure distribution
[NASA-CASE-LAR-12967-1] c 35 N83-12397

ULTRASONIC WELDING
Ultrasonically bonded valve assembly
[NASA-CASE-NPO-13360-1] c 37 N75-25185

ULTRASONICS
Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
Pseudo continuous wave instrument --- ultrasonics
[NASA-CASE-LAR-12260-1] c 35 N79-10390
Apparatus for disintegrating kidney stones
[NASA-CASE-GSC-12652-1] c 52 N82-26961

ULTRAVIOLET FILTERS
Ultraviolet filter
[NASA-CASE-XNP-02340] c 23 N69-24332
Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521

ULTRAVIOLET LASERS
Stabilization of He2(a 3 Sigma u+) molecules in liquid helium by optical pumping for vacuum UV laser 6
[NASA-CASE-NPO-13993-1] c 72 N79-13826

ULTRAVIOLET RADIATION
Alkali-metal silicate protective coating
[NASA-CASE-XGS-04119] c 18 N69-39979
Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521
Leak detector wherein a probe is monitored with ultraviolet radiation Patent
[NASA-CASE-ERC-10034] c 15 N71-24896
Phototropic composition of matter
[NASA-CASE-XGS-03736] c 14 N72-22443
Transmitting and reflecting diffuser --- for ultraviolet light
[NASA-CASE-LAR-10385-2] c 70 N74-13436
Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-1] c 27 N74-21156
Light shield and cooling apparatus --- high intensity ultraviolet lamp
[NASA-CASE-LAR-10089-1] c 34 N74-23066
Flame detector operable in presence of proton radiation
[NASA-CASE-MFS-21577-1] c 19 N74-29410

Method and apparatus for generating coherent radiation in the ultra-violet region and above by use of distributed feedback
[NASA-CASE-NPO-13346-1] c 36 N76-29575

Ultraviolet and thermally stable polymer compositions
[NASA-CASE-ARC-10592-2] c 27 N76-32315

Vitro-violet process for producing flame resistant polyamides and products produced thereby — protective clothing for high oxygen environments
[NASA-CASE-MSC-16074-1] c 27 N80-26446

ULTRAVIOLET REFLECTION

Alkali metal silicate protective coating Patent
[NASA-CASE-XGS-04799] c 18 N71-24183

Ultraviolet light reflective coating
[NASA-CASE-GSC-11786-1] c 24 N76-24363

Transmitting and reflecting diffuser — using ultraviolet grade fused silica coatings
[NASA-CASE-LAR-10385-3] c 74 N76-15879

ULTRAVIOLET SPECTRA

Ultraviolet atomic emission detector
[NASA-CASE-HQN-10756-1] c 14 N72-25428

Means and method for calibrating a photon detector utilizing electron-photon coincidence
[NASA-CASE-NPO-15644-1] c 72 N82-24953

ULTRAVIOLET SPECTROMETERS

Concave grating spectrometer Patent
[NASA-CASE-XGS-01036] c 14 N70-40003

Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699

UMBILICAL CONNECTORS

Umbilical separator for rockets Patent
[NASA-CASE-XNP-00425] c 11 N70-38202

Umbilical disconnect Patent
[NASA-CASE-XLA-00711] c 03 N71-12258

Remote controlled tubular disconnect Patent
[NASA-CASE-XLA-01396] c 03 N71-12259

Serpentuator Patent
[NASA-CASE-XMF-05344] c 31 N71-16345

Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455

Quick disconnect coupling
[NASA-CASE-NPO-11202] c 15 N72-25450

Deployable flexible tunnel
[NASA-CASE-MFS-22636-1] c 37 N76-22540

High acceleration cable deployment system
[NASA-CASE-ARC-11256-1] c 15 N82-24272

UMBILICAL TOWERS

Emergency escape system Patent
[NASA-CASE-XKS-02342] c 05 N71-11199

UNDERWATER ENGINEERING

Ejectable underwater sound source recovery assembly
[NASA-CASE-LAR-10595-1] c 35 N74-16135

Underwater seismic source — for petroleum exploration
[NASA-CASE-NPO-14255-1] c 46 N79-23555

UNDERWATER TESTS

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332] c 05 N72-20097

Underwater space suit pressure control regulator
[NASA-CASE-MFS-20332-2] c 05 N73-25125

UNIFORM FLOW

Wind tunnel flow generation section
[NASA-CASE-ARC-07101-1] c 09 N75-12969

UNIONS (CONNECTORS)

Beam connector apparatus and assembly
[NASA-CASE-MFS-25134-1] c 31 N81-12283

Universal connectors for joining stringers
[NASA-CASE-LAR-12744-1] c 37 N81-31551

UNLOADING

Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516

UNMANNED SPACECRAFT

Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036

UP-CONVERTERS

Method and apparatus for quadrupole-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192

UPPER ATMOSPHERE

Telespectrograph Patent
[NASA-CASE-XLA-03273] c 14 N71-18699

Apparatus for sampling particulates in gases
[NASA-CASE-HQN-10037-1] c 14 N73-27376

Rocket having banum release system to create ion clouds in the upper atmosphere
[NASA-CASE-LAR-10670-2] c 15 N74-27360

Microwave limb sounder — measuring trace gases in the upper atmosphere
[NASA-CASE-NPO-14544-1] c 46 N82-12685

URANIUM 235

Isotope separation using metallic vapor lasers
[NASA-CASE-NPO-13550-1] c 36 N77-26477

UREAS

Aldehyde-containing urea-absorbing polysaccharides
[NASA-CASE-NPO-13620-1] c 27 N77-30236

Dialysis system — using ion exchange resin membranes permeable to urea molecules
[NASA-CASE-NPO-14101-1] c 52 N80-14687

Reverse osmosis membrane of high urea rejection properties — water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452

URETHANES

Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104

URINALYSIS

Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754

Method of detecting and counting bacteria in body fluids
[NASA-CASE-GSC-11092-2] c 04 N73-27052

Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions
[NASA-CASE-GSC-11169-2] c 05 N73-32011

Determination of antimicrobial susceptibilities on infected unnes without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

URINATION

Open type urine receptacle
[NASA-CASE-MSC-12324-1] c 05 N72-22093

Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711

Urine collection apparatus — feminine hygiene
[NASA-CASE-MSC-18381-1] c 52 N81-28740

URINE

Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N78-27750

UROLOGY

Urine collection device
[NASA-CASE-MSC-16433-1] c 52 N81-24711

UTERUS

Cervix-to-rectum measuring device in a radiation applicator for use in the treatment of cervical cancer
[NASA-CASE-GSC-12081-2] c 52 N82-22875

UTILIZATION

Hot melt recharge system
[NASA-CASE-LAR-12881-1] c 27 N82-26464

V

V GROOVES

Vee-notching device — with adjustable carriage
[NASA-CASE-MFS-20730-1] c 39 N74-13131

Complementary DMOS-VMOS integrated circuit structure
[NASA-CASE-GSC-12190-1] c 33 N79-12321

Rotary target V-block — aligning wind tunnel apparatus for optical measurement
[NASA-CASE-LAR-12007-2] c 74 N79-25876

High voltage V-groove solar cell
[NASA-CASE-LEW-13401-2] c 44 N82-24717

VACANCIES (CRYSTAL DEFECTS)

Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265

VACUUM

Depositing semiconductor films utilizing a thermal gradient
[NASA-CASE-XKS-04614] c 15 N69-21460

Superconducting magnet Patent
[NASA-CASE-XNP-06503] c 23 N71-29049

Thermocouples of molybdenum and indium alloys for more stable vacuum-high temperature performance
[NASA-CASE-LEW-12174-2] c 35 N79-14346

Bakeable McLeod gauge
[NASA-CASE-XGS-01293-1] c 35 N79-33450

VACUUM APPARATUS

Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180

Evacuation port seal Patent
[NASA-CASE-XMF-03290] c 15 N71-23256

Apparatus for testing polymers materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607

Trap for preventing diffusion pump backstreaming
[NASA-CASE-GSC-10518-1] c 15 N72-22489

Inductance device with vacuum insulation
[NASA-CASE-LEW-10330-1] c 09 N72-27226

Apparatus for producing metal powders
[NASA-CASE-XLE-06461-2] c 17 N72-28535

Vacuum probe surface sampler
[NASA-CASE-LAR-10623-1] c 14 N73-30395

Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612

Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554

Safety shield for vacuum/pressure chamber viewing port
[NASA-CASE-GSC-12513-1] c 31 N81-19343

Method and apparatus for supercooling and solidifying substances — containing melts and space processing
[NASA-CASE-MFS-25242-1] c 35 N81-24413

Head for high speed spinner having a vacuum chuck — holding silicon dioxide chips for etching
[NASA-CASE-NPO-15227-1] c 37 N81-33482

Static continuous electrophoresis device
[NASA-CASE-MFS-25306-1] c 25 N83-13187

VACUUM CHAMBERS

High-vacuum condenser tank for ion rocket tests Patent
[NASA-CASE-XLE-00168] c 11 N70-33278

Split welding chamber Patent
[NASA-CASE-LEW-11531] c 15 N71-14932

Space environmental work simulator Patent
[NASA-CASE-XMF-07488] c 11 N71-18773

Pressure monitoring with a plurality of ionization gauges controlled at a central location Patent
[NASA-CASE-XLE-00787] c 14 N71-21090

Device for measuring light scattering wherein the measuring beam is successively reflected between a pair of parallel reflectors Patent
[NASA-CASE-XER-11203] c 14 N71-28994

Cryogenic feedthrough
[NASA-CASE-LAR-10031] c 15 N72-22484

Altitude simulation chamber for rocket engine testing
[NASA-CASE-MFS-20620] c 11 N72-27262

Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483

Method and apparatus for determining the contents of contained gas samples
[NASA-CASE-GSC-10903-1] c 14 N73-12444

Test stand system for vacuum chambers
[NASA-CASE-MFS-21362] c 11 N73-20267

Atomic hydrogen storage — cryotrapping and magnetic field strength
[NASA-CASE-LEW-12081-2] c 28 N80-20402

Containerless high temperature calorimeter apparatus
[NASA-CASE-MFS-23923-1] c 35 N81-19426

Hermetic seal for a shaft
[NASA-CASE-NPO-15115-1] c 37 N82-24493

Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634

VACUUM DEPOSITION

A method for the deposition of beta-silicon carbide by isopitaxy
[NASA-CASE-ERC-10120] c 26 N69-33482

Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647

Evaporant source for vapor deposition Patent
[NASA-CASE-XMF-06065] c 15 N71-20395

Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701

Preparation of dielectric coating of variable dielectric constant by plasma polymerization
[NASA-CASE-ARC-10892-2] c 27 N79-14214

Refractory coatings and method of producing the same
[NASA-CASE-LEW-13169-1] c 26 N82-29415

VACUUM EFFECTS

High power RF coaxial switch
[NASA-CASE-NPO-14229-1] c 33 N80-18285

VACUUM FURNACES

Apparatus for inserting and removing specimens from high temperature vacuum furnaces
[NASA-CASE-LAR-10841-1] c 31 N74-27900

VACUUM GAGES

Thermopile vacuum gage tube simulator Patent
[NASA-CASE-XLA-02758] c 14 N71-18481

Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390

Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391

In situ transfer standard for ultrahigh vacuum gage calibration
[NASA-CASE-LAR-10862-1] c 35 N74-15092

VACUUM MELTING

High temperature furnace for melting materials in space
[NASA-CASE-MFS-20710] c 11 N72-23215

VACUUM PUMPS

Pressure control valve — inflating flexible bladders
[NASA-CASE-ARC-11251-1] c 37 N81-17433

VACUUM SYSTEMS

Shrink-fit gas valve Patent
[NASA-CASE-XGS-00587] c 15 N70-35087

Cryogenic connector for vacuum use Patent
[NASA-CASE-XGS-02441] c 15 N70-41629

Ionization vacuum gauge with all but the end of the ion collector shielded Patent
[NASA-CASE-XLA-07424] c 14 N71-18482

Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483

Vacuum leak detector
[NASA-CASE-LAR-11237-1] c 35 N75-19612

Ampoule sealing apparatus and process --- for housing a semiconductor growth charge under vacuum
[NASA-CASE-LAR-12847-1] c 33 N83-16633

VACUUM TUBES

Integrated structure vacuum tube
[NASA-CASE-ARC-10445-1] c 31 N76-31365

Method of purifying metallurgical grade silicon employing reduced pressure atmospheric control
[NASA-CASE-NPO-14474-1] c 26 N80-14229

VALUE

High impact pressure regulator Patent
[NASA-CASE-NPO-10175] c 14 N71-18625

VALVES

Valve actuator Patent
[NASA-CASE-XHQ-01208] c 15 N70-35409

Fluid coupling Patent
[NASA-CASE-XLE-00397] c 15 N70-36492

High pressure four-way valve Patent
[NASA-CASE-XNP-00214] c 15 N70-36908

Reinforcing means for diaphragms Patent
[NASA-CASE-XNP-01962] c 32 N70-41370

Multway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609

Multiple orifice throttle valve Patent
[NASA-CASE-XNP-09698] c 15 N71-18580

High pressure air valve Patent
[NASA-CASE-MS-11010] c 15 N71-19485

Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234

Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706

Dual latching solenoid valve Patent
[NASA-CASE-XMS-05890] c 09 N71-23191

Valve seat
[NASA-CASE-NPO-10606] c 15 N72-25451

Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483

Flow control valve --- for high temperature fluids
[NASA-CASE-NPO-11951-1] c 37 N74-21065

Airlock
[NASA-CASE-MFS-20922-1] c 18 N74-22136

Reciprocating engines
[NASA-CASE-MS-16239-1] c 37 N81-32510

Prosthetic occlusive device for an internal passageway
[NASA-CASE-MFS-25640-1] c 52 N82-26962

VANES

Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040

Rotary vane attenuator wherein rotor has orthogonally disposed resistive and dielectric cards
[NASA-CASE-NPO-11418-1] c 14 N73-13420

Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639

Method of protecting a surface with a silicon-slurry/aluminide coating --- coatings for gas turbine engine blades and vanes
[NASA-CASE-LEW-13343-1] c 27 N82-28441

VAPOR DEPOSITION

A method for the deposition of beta-silicon carbide by isoeptaxy
[NASA-CASE-ERC-10120] c 26 N69-33482

Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015

Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-NXP-01961] c 26 N71-29156

Tungsten contacts on silicon substrates
[NASA-CASE-GSC-10695-1] c 09 N72-25259

Deposition apparatus
[NASA-CASE-LAR-10541-1] c 15 N72-32487

Deposition of alloy films --- on irregularly shaped metal object
[NASA-CASE-LEW-11262-1] c 27 N74-13270

System for depositing thin films
[NASA-CASE-MFS-20775-1] c 31 N75-12161

Vapor deposition apparatus --- semiconductors and gallium arsenides
[NASA-CASE-HQN-10462] c 25 N75-29182

Chemical vapor deposition reactor --- providing uniform film thickness
[NASA-CASE-NPO-13650-1] c 25 N79-28253

VAPOR PHASES

Fluid dispensing apparatus and method Patent
[NASA-CASE-XLE-01182] c 27 N71-15635

Simple method of making photovoltaic junctions Patent
[NASA-CASE-XNP-01960] c 09 N71-23027

Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199

Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339

VAPOR PRESSURE

Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247

Vapor liquid separator Patent
[NASA-CASE-XMF-04042] c 15 N71-23023

Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

VAPOR TRAPS

Sorption vacuum trap Patent
[NASA-CASE-XER-09519] c 14 N71-18483

VAPORIZERS

Boiler for generating high quality vapor Patent
[NASA-CASE-XLE-00785] c 33 N71-16104

VAPORIZING

Gas liquefaction and dispensing apparatus Patent
[NASA-CASE-NPO-10070] c 15 N71-27372

Method for controlling vapor content of a gas
[NASA-CASE-NPO-10633] c 03 N72-28025

Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 45 N83-18089

VARACTOR DIODE CIRCUITS

Phase modulator Patent
[NASA-CASE-MS-13201-1] c 07 N71-28429

VARACTOR DIODES

Varactor high level mixer
[NASA-CASE-XGS-02171] c 09 N69-24324

Multiple varactor frequency doubler Patent
[NASA-CASE-XMF-04958-1] c 10 N71-26414

Millimeter wave pumped parametric amplifier
[NASA-CASE-GSC-11617-1] c 33 N74-32660

VARIABLE CYCLE ENGINES

Dual cycle aircraft turbine engine
[NASA-CASE-LAR-11310-1] c 07 N77-28118

Variable cycle gas turbine engines
[NASA-CASE-LEW-12916-1] c 37 N78-17384

Variable mixer propulsion cycle
[NASA-CASE-LEW-12917-1] c 07 N78-18087

VARIABLE GEOMETRY STRUCTURES

Landing arrangement for aerial vehicles Patent
[NASA-CASE-XLA-00142] c 02 N70-33286

Variable geometry wind tunnels
[NASA-CASE-XLA-07430] c 11 N72-22246

Aircraft engine nozzle
[NASA-CASE-ARC-10977-1] c 07 N80-32392

VARIABLE PITCH PROPELLERS

Dual output variable pitch turbofan actuation system
[NASA-CASE-LEW-12419-1] c 07 N77-14025

Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468

VARIABLE SWEEP WINGS

Variable sweep wing configuration Patent
[NASA-CASE-XLA-00230] c 02 N70-33255

Variable sweep wing aircraft Patent
[NASA-CASE-XLA-00221] c 02 N70-33266

Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178

Variable sweep aircraft wing Patent
[NASA-CASE-XLA-00350] c 02 N70-38011

Variable sweep aircraft Patent
[NASA-CASE-XLA-03659] c 02 N71-11041

Dual-fuselage aircraft having yawable wing and horizontal stabilizer
[NASA-CASE-ARC-10470-1] c 02 N73-26005

VARIABLE THRUST

Variable thrust ion engine utilizing thermally decomposable solid fuel Patent
[NASA-CASE-XMF-00923] c 28 N70-36802

Method for continuous variation of propellant flow and thrust in propulsive devices Patent
[NASA-CASE-XLE-00177] c 28 N70-40367

Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055

VARIATIONS

Bidirectional step torque filter with zero backlash characteristic Patent
[NASA-CASE-XGS-04227] c 15 N71-21744

VECTOR ANALYSIS

Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439

VECTOCARDIOGRAPHY

Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189

VEGETATION GROWTH

Rotary plant growth accelerating apparatus --- weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503

Remote sensing of vegetation and soil using microwave ellipsometry
[NASA-CASE-GSC-11976-1] c 43 N78-10529

Enhancement of in vitro guayule propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

VEHICLE WHEELS

Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18811

Resilient wheel Patent
[NASA-CASE-MFS-13929] c 15 N71-27091

Omnidirectional wheel
[NASA-CASE-MFS-21309-1] c 37 N74-18125

Two speed drive system --- mechanical device for changing speed on rotating vehicle wheel
[NASA-CASE-MFS-20645-1] c 37 N74-23070

Fifth wheel
[NASA-CASE-FRC-10081-1] c 37 N77-14477

Improved tire/wheel concept --- pneumatic aircraft tire
[NASA-CASE-LAR-11695-2] c 37 N80-18402

Tire/wheel concept
[NASA-CASE-MFS-11695-2] c 37 N81-24443

Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587

VEHICLES

Magnetic suspension and pointing system
[NASA-CASE-LAR-11889-2] c 37 N78-27424

VEHICULAR TRACKS

Suspension system for a wheel rolling on a flat track --- bearings for directional antennas
[NASA-CASE-NPO-14395-1] c 37 N82-21587

VELOCITY

Velocity limiting safety system Patent
[NASA-CASE-XLA-07473] c 15 N71-24895

VELOCITY COUPLING

Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568

VELOCITY MEASUREMENT

Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332

Superconductive accelerometer Patent
[NASA-CASE-XMF-01099] c 14 N71-15969

Gravimeter Patent
[NASA-CASE-XMF-05844] c 14 N71-17587

Laser Doppler system for measuring three dimensional vector velocity Patent
[NASA-CASE-MFS-20386] c 21 N71-19212

Particle detection apparatus including a ballistic pendulum Patent
[NASA-CASE-XMS-04201] c 14 N71-22890

Angular velocity and acceleration measuring apparatus
[NASA-CASE-ERC-10292] c 14 N72-25410

Flow velocity and directional instrument
[NASA-CASE-LAR-10855-1] c 14 N73-13415

Doppler shift system --- system for measuring velocities of radiating particles
[NASA-CASE-HQN-10740-1] c 72 N74-19310

Tachometer
[NASA-CASE-MFS-23175-1] c 35 N77-30436

Velocity measurement system
[NASA-CASE-MFS-23363-1] c 35 N78-32396

Fluid velocity measuring device
[NASA-CASE-LAR-11729-1] c 34 N79-12359

Air speed and altitude probe
[NASA-CASE-FRC-11009-1] c 06 N80-18036

Method and apparatus for Delta K synthetic aperture radar measurement of ocean current
[NASA-CASE-NPO-15704-1] c 32 N82-28502

VELOCITY MODULATION

Molecular beam velocity selector Patent
[NASA-CASE-XLE-01533] c 11 N71-10777

Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627

Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N80-19425

VENTILATION

Protective garment ventilation system
[NASA-CASE-XMS-04928] c 54 N78-17679

Low-drag ground vehicle particularly suited for use in safely transporting livestock
[NASA-CASE-FRC-11058-1] c 85 N82-33288

VENTILATORS

Heat sterilizable patient ventilator
[NASA-CASE-NPO-13313-1] c 54 N75-27761

VENTING

Venting vapor apparatus Patent
[NASA-CASE-XLE-00288] c 15 N70-34247

Liquid storage tank venting device for zero gravity environment Patent
[NASA-CASE-XLE-01449] c 15 N70-41646

Valve seat with resilient support member Patent
[NASA-CASE-XKS-02582] c 15 N71-21234

Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333

- Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758
- VENUS (PLANET)**
- Space simulator Patent
[NASA-CASE-XNP-00459] c 11 N70-38675
- VERTICAL FLIGHT**
- Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
- VERTICAL LANDING**
- Landing gear Patent
[NASA-CASE-XMF-01174] c 02 N70-41589
- VERTICAL ORIENTATION**
- Vertical shaft windmill
[NASA-CASE-LAR-12923-1] c 44 N82-29713
- VERTICAL TAKEOFF AIRCRAFT**
- Mechanical stability augmentation system Patent
[NASA-CASE-XLA-06339] c 02 N71-13422
- Attitude controls for VTOL aircraft Patent
[NASA-CASE-XAC-08972] c 02 N71-20570
- VERY HIGH FREQUENCIES**
- VHF/UHF parasitic probe antenna Patent
[NASA-CASE-XKS-09340] c 07 N71-24614
- VERY LONG BASE INTERFEROMETRY**
- System for real-time crustal deformation monitoring
[NASA-CASE-NPO-14124-1] c 46 N80-14603
- VESTS**
- Life preserver Patent
[NASA-CASE-XMS-00864] c 05 N70-36493
- VIBRATION**
- Passive caging mechanism Patent
[NASA-CASE-GSC-10306-1] c 15 N71-24694
- Active vibration isolator for flexible bodies Patent
[NASA-CASE-LAR-10106-1] c 15 N71-27169
- VIBRATION DAMPING**
- Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
- Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034
- Turbo-machine blade vibration damper Patent
[NASA-CASE-XLE-00155] c 28 N71-29154
- Active notch filter network with variable notch depth, width and frequency
[NASA-CASE-FRC-11055-1] c 33 N80-29583
- Arrangement for damping the resonance in a laser diode
[NASA-CASE-NPO-15980-1] c 36 N82-28618
- Variable force, eddy-current or magnetic damper
[NASA-CASE-LEW-13717-1] c 39 N83-20284
- VIBRATION EFFECTS**
- Thermal detector of electromagnetic energy by means of a vibrating electrode Patent
[NASA-CASE-XAC-10768] c 09 N71-18830
- Apparatus for recovering matter adhered to a host surface
[NASA-CASE-NPO-11213] c 15 N73-20514
- Spherical bearing --- to reduce vibration effects
[NASA-CASE-MFS-23447-1] c 37 N79-11404
- VIBRATION ISOLATORS**
- Variable stiffness polymenc damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
- Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673
- Hermetic sealed vibration damper Patent
[NASA-CASE-MSC-10959] c 15 N71-26243
- Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
- Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N72-11391
- Thrust-isolating mounting --- characteristics of support for loads mounted in spacecraft
[NASA-CASE-MFS-21680-1] c 18 N74-27397
- Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
- Thermal insulation attaching means --- adhesive bonding of felt vibration insulators under ceramic tiles
[NASA-CASE-MSC-12619-2] c 27 N79-12221
- Shock isolator for operating a diode laser on a closed-cycle refrigerator
[NASA-CASE-GSC-12297-1] c 37 N79-28549
- Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373
- Vibration isolation and pressure compensation apparatus for sensitive instrumentation
[NASA-CASE-LAR-12728-1] c 35 N83-12398
- VIBRATION MEASUREMENT**
- Method and apparatus for measuring the damping characteristics of a structure
[NASA-CASE-ARC-10154-1] c 14 N72-22440
- Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329
- Displacement probes with self-contained exciting medium
[NASA-CASE-LAR-11690-1] c 35 N80-14371
- Ride quality meter
[NASA-CASE-LAR-12882-1] c 54 N81-31848
- VIBRATION METERS**
- Fiber optic vibration transducer and analyzer Patent
[NASA-CASE-XMF-02433] c 14 N71-10616
- Ride quality meter
[NASA-CASE-LAR-12882-1] c 54 N81-31848
- VIBRATION MODE**
- Function generator for synthesizing complex vibration mode patterns
[NASA-CASE-LAR-10310-1] c 10 N73-20253
- VIBRATION SIMULATORS**
- Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- VIBRATION TESTS**
- Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185
- Fixture for supporting articles during vibration tests
[NASA-CASE-MFS-20523] c 14 N72-27412
- Apparatus for vibrational testing of articles
[NASA-CASE-GSC-11302-1] c 14 N73-13416
- Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421
- Aeroelastic instability stoppers for wind tunnel models
[NASA-CASE-LAR-12458-1] c 44 N83-21503
- VIBRATIONAL SPECTRA**
- Dynamic vibration absorber Patent
[NASA-CASE-LAR-10083-1] c 15 N71-27006
- VIDEO COMMUNICATION**
- Means for generating a sync signal in an FM communication system Patent
[NASA-CASE-XNP-10830] c 07 N71-11281
- Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026
- Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
- Sampling video compression system
[NASA-CASE-ARC-10984-1] c 32 N77-24328
- VIDEO DATA**
- Digital television camera control system Patent
[NASA-CASE-XNP-01472] c 14 N70-41807
- Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866
- Facsimile video remodulation network
[NASA-CASE-GSC-10185-1] c 07 N72-12081
- Dual digital video switcher
[NASA-CASE-KSC-10782-1] c 33 N75-30431
- Programmable scan/read circuitry for charge coupled device imaging detectors --- for a startracker
[NASA-CASE-NPO-15345-1] c 33 N81-27403
- VIDEO EQUIPMENT**
- Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742
- Video sync processor Patent
[NASA-CASE-KSC-10002] c 10 N71-25865
- Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102
- Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341
- Broadband video process with very high input impedance
[NASA-CASE-NPO-10199] c 09 N72-17156
- Electronic video editor
[NASA-CASE-KSC-10003] c 10 N73-13235
- Scan converting video tape recorder
[NASA-CASE-NPO-10166-1] c 07 N73-22076
- Scan converting video tape recorder
[NASA-CASE-NPO-10166-2] c 35 N76-16391
- Stack plume visualization system
[NASA-CASE-LAR-11675-1] c 45 N76-17656
- Television camera video level control system --- space shuttle orbiters
[NASA-CASE-MSC-18578-1] c 74 N82-27121
- VIDICONS**
- Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
- Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
- VIEWING**
- Real-time 3D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N82-10862
- VINYL POLYMERS**
- Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-NPO-10373] c 03 N71-18698
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-1] c 27 N78-32256
- Compound oxidized styrylphosphine --- flame resistant vinyl polymers
[NASA-CASE-MSC-14903-2] c 27 N80-10358
- Heat resistant polymers of oxidized styrylphosphine
[NASA-CASE-MSC-14903-3] c 27 N80-24438
- VINYLLIDENE**
- Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500
- VIRUSES**
- Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
- VISCOELASTICITY**
- Resilience testing device Patent
[NASA-CASE-XLA-08254] c 14 N71-26161
- Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- Shock absorbing mount for electrical components
[NASA-CASE-NPO-13253-1] c 37 N75-18573
- Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
- VISCOMETERS**
- Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584
- Parallel-plate viscometer with double diaphragm suspension
[NASA-CASE-NPO-11387] c 14 N73-14429
- VISCOSITY**
- Low viscosity magnetic fluid obtained by the colloidal suspension of magnetic particles Patent
[NASA-CASE-XLE-01512] c 12 N70-40124
- Viscosity measuring instrument
[NASA-CASE-NPO-14501-1] c 35 N80-18357
- VISCOUS DAMPING**
- Variable stiffness polymenc damper
[NASA-CASE-XAC-11225] c 14 N69-27486
- Viscous pendulum-damper Patent
[NASA-CASE-XLA-02079] c 12 N71-16894
- Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
- Multiple plate hydrostatic viscous damper
[NASA-CASE-LEW-12445-1] c 37 N81-22360
- VISIBILITY**
- Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748
- Reusable captive blind fastener
[NASA-CASE-MSC-18742-1] c 37 N82-26673
- VISIBLE SPECTRUM**
- Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- VISORS**
- Anti-fog composition --- for prevention of fogging on surfaces such as space helmet visors and windshields
[NASA-CASE-MSC-13530-2] c 23 N75-14834
- VISUAL ACUITY**
- Multiparameter vision testing apparatus
[NASA-CASE-MSC-13601-2] c 54 N75-27759
- VISUAL CONTROL**
- Visual target for retrofire attitude control
[NASA-CASE-XMS-12158-1] c 31 N69-27499
- Spectrally balanced chromatic landing approach lighting system
[NASA-CASE-ARC-10990-1] c 04 N82-16059
- VISUAL FIELDS**
- Visual examination apparatus
[NASA-CASE-ARC-10329-1] c 05 N73-26072
- Visual examination apparatus
[US-PATENT-RE-28,921] c 52 N76-30793
- Binocular device for displaying numerical information in field of view
[NASA-CASE-LAR-11782-1] c 74 N77-20882
- VISUAL OBSERVATION**
- Automatic visual inspection system for microelectronics
[NASA-CASE-NPO-13282] c 38 N78-17396
- VISUAL PERCEPTION**
- Liquid flow sight assembly Patent
[NASA-CASE-XLE-02998] c 14 N70-42074
- VISUAL STIMULI**
- Reaction tester
[NASA-CASE-MSC-13604-1] c 05 N73-13114
- VOICE COMMUNICATION**
- Position location system and method Patent
[NASA-CASE-GSC-10087-2] c 21 N71-13958
- Satellite communication system and method Patent
[NASA-CASE-GSC-10118-1] c 07 N71-24621
- Protective suit having an audio transceiver Patent
[NASA-CASE-KSC-10164] c 07 N71-33108
- Technique for recovery of voice data from heat damaged magnetic tape
[NASA-CASE-MSC-14219-1] c 32 N74-27612
- Filtering device --- removing electromagnetic noise from voice communication signals
[NASA-CASE-MFS-22729-1] c 32 N76-21366

Real time analysis of voiced sounds
[NASA-CASE-NPO-13465-1] c 32 N76-31372

Satellite personal communications system
[NASA-CASE-NPO-14480-1] c 32 N80-20448

VOICE DATA PROCESSING
Digital communication system
[NASA-CASE-MSC-13912-1] c 32 N74-30524

VOLATILITY
Apparatus for testing polymenc materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607

VOLT-AMPERE CHARACTERISTICS
Voltage-current characteristic simulator Patent
[NASA-CASE-XMS-01554] c 10 N71-10578

The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428

Apparatus including a plurality of spaced transformers for locating short circuits in cables
[NASA-CASE-KSC-10899-1] c 33 N79-18193

VOLTAGE AMPLIFIERS
Electronic amplifier with power supply switching Patent
[NASA-CASE-XMS-00945] c 09 N71-10798

Bootstrap unloader Patent
[NASA-CASE-XNP-09768] c 09 N71-12516

Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172

Wide range analog-to-digital converter with a variable gain amplifier
[NASA-CASE-NPO-11018] c 08 N72-21200

Voltage feed through apparatus having reduced partial discharge
[NASA-CASE-GSC-12347-1] c 33 N80-18286

VOLTAGE CONTROLLED OSCILLATORS
Pulsed phase locked loop strain monitor --- voltage controlled oscillators
[NASA-CASE-LAR-12772-1] c 33 N83-16626

VOLTAGE CONVERTERS (DC TO DC)
Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049

The dc-to-dc converters employing staggered-phase power switches with two-loop control
[NASA-CASE-NPO-13512-1] c 33 N77-10428

Inrush current limiter
[NASA-CASE-GSC-11789-1] c 33 N77-14333

Phase substitution of spare converter for a failed one of parallel phase staggered converters
[NASA-CASE-NPO-13812-1] c 33 N77-30365

Regulated high efficiency, lightweight capacitor-diode multiplier dc to dc converter
[NASA-CASE-LEW-12791-1] c 33 N78-32341

Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392

Elimination of current spikes in buck power converters
[NASA-CASE-NPO-14505-1] c 33 N81-19393

Push-pull converter with energy saving circuit for protecting switching transistors from peak power stress
[NASA-CASE-NPO-14316-1] c 33 N81-33404

Power converter
[NASA-CASE-FRC-11014-1] c 33 N82-18494

Simplified dc to dc converter
[NASA-CASE-LEW-13495-1] c 33 N82-24432

A dc to dc converter --- raising battery voltage in an ion propulsion system
[NASA-CASE-MFS-25430-1] c 33 N82-28550

VOLTAGE GENERATORS
Pulsed energy power system Patent
[NASA-CASE-MSC-13112] c 03 N71-11057

Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342

Multiple slope sweep generator Patent
[NASA-CASE-XMS-03542] c 09 N71-28926

Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252

Driver for solar cell I-V characteristic plots
[NASA-CASE-NPO-14096-1] c 44 N80-18551

Adaptive reference voltage generator for firing angle control of line-commutated inverters
[NASA-CASE-MFS-25215-1] c 33 N81-31481

VOLTAGE REGULATORS
Regulated dc to dc converter
[NASA-CASE-XGS-03429] c 03 N69-21330

Power control circuit
[NASA-CASE-XNP-02713] c 10 N69-39888

Amplifier drift tester
[NASA-CASE-XMS-05562-1] c 09 N69-39986

Bus voltage compensation circuit for controlling direct current motor
[NASA-CASE-XMS-04215-1] c 09 N69-39987

Regulated power supply Patent
[NASA-CASE-XMS-01991] c 09 N71-21449

High voltage divider system Patent
[NASA-CASE-XLE-02008] c 09 N71-21583

Power supply circuit Patent
[NASA-CASE-XMS-00913] c 10 N71-23543

Voltage to frequency converter Patent
[NASA-CASE-GSC-10022-1] c 10 N71-25882

Buck boost voltage regulation circuit Patent
[NASA-CASE-GSC-10735-1] c 10 N71-26085

Automatic signal range selector for metering devices Patent
[NASA-CASE-XMS-06497] c 14 N71-26244

Voltage regulator with plural parallel power source sections Patent
[NASA-CASE-GSC-10891-1] c 10 N71-26626

Maximum power point tracker Patent
[NASA-CASE-GSC-10736-1] c 14 N71-27407

High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606

Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N72-17157

Switching regulator
[NASA-CASE-LEW-11005-1] c 09 N72-21243

Controllable load insensitive power converters
[NASA-CASE-ERC-10268] c 09 N72-25252

Regulated dc-to-dc converter for voltage step-up or step-down with input-output isolation
[NASA-CASE-HQN-10792-1] c 33 N74-11049

Overvoltage protection network
[NASA-CASE-ARC-10197-1] c 33 N74-17929

Low distortion automatic phase control circuit --- voltage controlled phase shifter
[NASA-CASE-MFS-21671-1] c 33 N74-22885

Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521

Transformer regulated self-stabilizing chopper
[NASA-CASE-XGS-09186] c 33 N78-17295

Voltage regulator for battery power source --- using a bipolar transistor
[NASA-CASE-FRC-10116-1] c 33 N79-23345

Buck/boost regulator
[NASA-CASE-GSC-12360-1] c 33 N81-19392

Motor power factor controller with a reduced voltage starter
[NASA-CASE-MFS-25586-1] c 33 N82-11360

Pulse switching for high energy lasers
[NASA-CASE-NPO-14556-1] c 33 N82-24418

VOLTMETERS
Voltage monitoring system
[NASA-CASE-KSC-10736-1] c 33 N75-19521

VOLUMETRIC ANALYSIS
Volumetric direct nuclear pumped laser
[NASA-CASE-LAR-12183-1] c 36 N79-18307

VOMITING
Venting device for pressurized space suit helmet Patent
[NASA-CASE-XMS-09652-1] c 05 N71-26333

VORTEX BREAKDOWN
Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001

VORTEX FLAPS
Leading edge vortex flaps for drag reduction --- during subsonic flight
[NASA-CASE-LAR-12750-1] c 02 N81-19016

Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240

VORTEX GENERATORS
Multiway vortex valve system Patent
[NASA-CASE-XMF-04709] c 15 N71-15609

Vortex generator for controlling the dispersion of effluents in a flowing liquid
[NASA-CASE-LAR-12045-1] c 34 N77-24423

Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096

VORTICES
Vortex-lift roll-control device
[NASA-CASE-LAR-11868-2] c 08 N79-14108

Pumped vortex
[NASA-CASE-LAR-12615-1] c 02 N83-19715

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Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article
[NASA-CASE-LAR-10489-1] c 31 N74-18124

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WAFERS
Apparatus and method for separating a semiconductor wafer Patent
[NASA-CASE-ERC-10138] c 26 N71-14354

Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703

Scriber for silicon wafers
[NASA-CASE-NPO-15539-1] c 37 N82-11469

Imaging X-ray spectrometer
[NASA-CASE-GSC-12682-1] c 35 N82-26629

Improved ingot slicing machine
[NASA-CASE-NPO-15483-1] c 37 N82-28642

Method of fabricating Schottky Barrier solar cell
[NASA-CASE-NPO-13689-4] c 44 N82-28780

Method of making a high voltage V-groove solar cell
[NASA-CASE-LEW-13401-1] c 44 N82-29709

High voltage planar multijunction solar cell
[NASA-CASE-LEW-13400-1] c 44 N82-31764

Method for sequentially processing a multi-level interconnect circuit in a vacuum chamber
[NASA-CASE-MFS-15670-1] c 33 N82-33634

WALL TEMPERATURE
Method of making apparatus for sensing temperature
[NASA-CASE-XLE-05230-2] c 14 N73-13417

Structural heat pipe --- for spacecraft wall thermal insulation system
[NASA-CASE-GSC-11619-1] c 34 N75-12222

Thermal control canister
[NASA-CASE-GSC-12253-1] c 34 N79-31523

Curved film cooling admission tube
[NASA-CASE-LEW-13174-1] c 34 N81-12363

WALLS
Formed metal ribbon wrap Patent
[NASA-CASE-XLE-00164] c 15 N70-36411

WANKEL ENGINES
Real time pressure signal system for a rotary engine
[NASA-CASE-LEW-13622-1] c 07 N82-26294

WARNING SYSTEMS
Out of tolerance warning alarm system for plurality of monitored circuits Patent
[NASA-CASE-XMS-10984-1] c 10 N71-19417

Unsaturating saturable core transformer Patent
[NASA-CASE-ERC-10125] c 09 N71-24893

Electrical apparatus for detection of thermal decomposition of insulation Patent
[NASA-CASE-XMF-03968] c 14 N71-27186

Combustion products generating and metering device
[NASA-CASE-GSC-11095-1] c 14 N72-10375

Stacked array of omnidirectional antennas
[NASA-CASE-LAR-10545-1] c 09 N72-21244

Display research collision warning system
[NASA-CASE-HQN-10703] c 21 N73-13643

System for indicating direction of intruder aircraft
[NASA-CASE-ERC-10226-1] c 14 N73-16483

Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205

Apparatus for aiding a pilot in avoiding a midair collision between aircraft
[NASA-CASE-LAR-10717-1] c 21 N73-30641

Inverter ratio failure detector
[NASA-CASE-NPO-13160-1] c 35 N74-18090

Hearing aid malfunction detection system
[NASA-CASE-MSC-14916-1] c 33 N78-10375

Automatic communication signal monitoring system
[NASA-CASE-NPO-13941-1] c 32 N79-10262

Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559

Intrusion detection method and apparatus --- monitoring unwanted subterranean entry and departure
[NASA-CASE-ARC-11317-1] c 35 N81-19430

WASHING
Method of neutralizing the corrosive surface of amine-cured epoxy resins
[NASA-CASE-GSC-12686-1] c 27 N82-10227

WASTE DISPOSAL
Relief container
[NASA-CASE-XMS-06761] c 05 N69-23192

An airtock
[NASA-CASE-MFS-20922] c 31 N72-20840

Liquid waste feed system
[NASA-CASE-LAR-10365-1] c 05 N72-27102

Reduced gravity fecal collector seat and urinal
[NASA-CASE-MFS-22102-1] c 54 N74-20725

Airtock
[NASA-CASE-MFS-20922-1] c 18 N74-22136

Automatic liquid inventory collecting and dispensing unit
[NASA-CASE-LAR-11071-1] c 35 N75-19611

Automatic biowaste sampling
[NASA-CASE-MSC-14840-1] c 54 N76-14804

Method and system for nuclear waste disposal --- control valves for encapsulating wastes
[NASA-CASE-NPO-15454-1] c 73 N82-12916

Absorbent product and articles made therefrom
[NASA-CASE-MSC-18223-2] c 52 N82-26960

WASTE ENERGY UTILIZATION
Automotive absorption air conditioner utilizing solar and motor waste heat
[NASA-CASE-NPO-15183-1] c 44 N82-26776

WASTE UTILIZATION

WASTE UTILIZATION

Simultaneous treatment of SO₂ containing stack gases and waste water
[NASA-CASE-MSC-16258-1] c 45 N79-12584

WASTE WATER

Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747
Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335

WATER

High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842
Procedure and apparatus for determination of water in nitrogen tetroxide
[NASA-CASE-NPO-10234] c 06 N72-17094
Hydrogen rich gas generator
[NASA-CASE-NPO-13342-1] c 37 N76-16446
Solar hydrogen generator
[NASA-CASE-LAR-11361-1] c 44 N77-22607
Remote water monitoring system
[NASA-CASE-LAR-11973-1] c 35 N78-27384
Solar photolysis of water
[NASA-CASE-NPO-14126-1] c 44 N79-11470

WATER FLOW

Potable water dispenser
[NASA-CASE-MFS-21115-1] c 54 N74-12779

WATER INJECTION

Reentry communication by material addition Patent
[NASA-CASE-XLA-01552] c 07 N71-11284
Self-charging metering and dispensing device for fluids
[NASA-CASE-MSC-20275-1] c 35 N83-17856

WATER LANDING

Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
Emergency earth orbital escape device
[NASA-CASE-MSC-13281] c 31 N72-18859

WATER MANAGEMENT

Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
Solar-powered pump
[NASA-CASE-NPO-13567-1] c 44 N76-29701

WATER POLLUTION

Compact solar still Patent
[NASA-CASE-XMS-04533] c 15 N71-23086
Bacterial contamination monitor
[NASA-CASE-GSC-10879-1] c 14 N72-25413
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067

WATER QUALITY

Rapid, quantitative determination of bacteria in water
[NASA-CASE-GSC-12158-1] c 51 N78-22585
Fluid sample collection and distribution system --- qualitative analysis of aqueous samples from several points
[NASA-CASE-MSC-16841-1] c 34 N79-24285
Method and apparatus for detecting coliform organisms
[NASA-CASE-ARC-11322-1] c 51 N82-12739
Saltless solar pond
[NASA-CASE-NPO-15808-1] c 44 N82-29714

WATER RECLAMATION

Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693
Water separator
[NASA-CASE-XMS-01295-1] c 37 N79-21345

WATER RESOURCES

Radar target for remotely sensing hydrological phenomena
[NASA-CASE-LAR-12344-1] c 43 N80-18498

WATER TEMPERATURE

Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598

WATER TREATMENT

Water management system and an electrolytic cell therefor Patent
[NASA-CASE-MSC-10960-1] c 03 N71-24718
Method of preparing water purification membranes --- polymerization of allyl amine as thin films in plasma discharge
[NASA-CASE-ARC-10643-1] c 25 N75-12087
Iodine generator for reclaimed water purification
[NASA-CASE-MSC-14632-1] c 54 N78-14784
Water system virus detection
[NASA-CASE-MSC-16098-1] c 51 N79-10693

Simultaneous treatment of SO₂ containing stack gases and waste water

[NASA-CASE-MSC-16258-1] c 45 N79-12584
Process for purification of waste water produced by a Kraft process pulp and paper mill
[NASA-CASE-NPO-13847-2] c 85 N79-17747

Ozonation of cooling tower waters
[NASA-CASE-NPO-14340-1] c 45 N80-14579

Reverse osmosis membrane of high urea rejection properties --- water purification
[NASA-CASE-ARC-10980-1] c 27 N80-23452

Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
Sewage sludge additive
[NASA-CASE-NPO-13877-1] c 45 N82-11634

Method for treating wastewater using microorganisms and vascular aquatic plants
[NASA-CASE-NSTL-10-1] c 25 N82-25335

WATER VAPOR

Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741
Cell and method for electrolysis of water and anode
[NASA-CASE-MSC-16394-1] c 28 N81-24280

WATER WAVES

Surface roughness measuring system --- synthetic aperture radar measurements of ocean wave height and terrain peaks
[NASA-CASE-NPO-13862-1] c 35 N79-10391

Oceanic wave measurement system
[NASA-CASE-MFS-23862-1] c 48 N80-18667

WATERPROOFING

Glass-to-metal seals comprising relatively high expansion metals
[NASA-CASE-LEW-10698-1] c 37 N74-21063

WATERWAVE ENERGY CONVERSION

Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834

WAVE AMPLIFICATION

Distributed feedback acoustic surface wave oscillator
[NASA-CASE-NPO-13673-1] c 71 N77-26919

WAVE DIFFRACTION

Diffraction grating configuration for X-ray and ultraviolet focusing
[NASA-CASE-GSC-12357-1] c 74 N80-21140

WAVE FRONT RECONSTRUCTION

Recording and reconstructing focused image holograms Patent
[NASA-CASE-ERC-10017] c 16 N71-15567

WAVE GENERATION

Wind tunnel airstream oscillating apparatus Patent
[NASA-CASE-XLA-00112] c 11 N70-33287
Linear sawtooth voltage-wave generator employing transistor timing circuit having capacitor-zener diode combination feedback Patent
[NASA-CASE-XMS-01315] c 09 N70-41675
Waveform simulator Patent
[NASA-CASE-NPO-10251] c 10 N71-27365
Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223

Material suspension within an acoustically excited resonant chamber --- at near weightless conditions
[NASA-CASE-NPO-13263-1] c 12 N75-24774

WAVE INTERACTION

Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568

WAVE PROPAGATION

Maser amplifier slow wave structure --- detecting weak signals from spacecraft
[NASA-CASE-NPO-15211-1] c 36 N81-24425
A dual differential interferometer
[NASA-CASE-LAR-12966-1] c 71 N83-12969

WAVE REFLECTION

Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822

Millimeter wave antenna system Patent Application
[NASA-CASE-GSC-10949-1] c 07 N71-28965

WAVE SCATTERING

Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662

WAVEFORMS

Variable frequency magnetic multivibrator Patent
[NASA-CASE-XGS-00131] c 09 N70-38995

Single or joint amplitude distribution analyzer Patent
[NASA-CASE-XNP-01383] c 09 N71-10659

Peak polarity selector Patent
[NASA-CASE-FRC-10010] c 10 N71-24862

Family of frequency to amplitude converters
[NASA-CASE-MSC-12395] c 09 N72-25257

Apparatus for statistical time-series analysis of electrical signals
[NASA-CASE-MSC-12428-1] c 10 N73-25240

Low distortion receiver for bi-level baseband PCM waveforms
[NASA-CASE-MSC-14557-1] c 32 N76-16249

Speech analyzer
[NASA-CASE-GSC-11898-1] c 32 N77-30309

Lightning current waveform measuring system
[NASA-CASE-KSC-11018-1] c 33 N79-10337

WAVEGUIDE ANTENNAS

Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N72-11148

WAVEGUIDE FILTERS

High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606

WAVEGUIDE LASERS

Tunable injection-locked pulsed CO₂ laser
[NASA-CASE-NPO-14984-1] c 36 N81-15350

WAVEGUIDE WINDOWS

Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808

WAVEGUIDES

Dual waveguide mode source having control means for adjusting the relative amplitude of two modes Patent
[NASA-CASE-NPO-03134] c 07 N71-10676

Folded traveling wave maser structure Patent
[NASA-CASE-XNP-05219] c 16 N71-15550

Quasi-optical microwave component Patent
[NASA-CASE-ERC-10011] c 07 N71-29065

Waveguide mixer
[NASA-CASE-ERC-10179] c 07 N72-20141

Active microwave inlets and windows
[NASA-CASE-LAR-10513-1] c 07 N72-25170

Thin film microwave ins
[NASA-CASE-LAR-10511-1] c 09 N72-29172

Resonant waveguide stark cell --- using microwave spectrometers
[NASA-CASE-LAR-11352-1] c 33 N75-26245

Diffused waveguiding capillary tube with distributed feedback for a gas laser
[NASA-CASE-NPO-13544-1] c 36 N76-18428

Dielectric-loaded waveguide circulator for cryogenically cooled and cascaded maser waveguide structures
[NASA-CASE-NPO-14254-1] c 36 N80-18372

Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605

Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187

Ladder supported ring bar circuit
[NASA-CASE-LEW-13570-1] c 33 N81-24348

Maser amplifier slow wave structure --- detecting weak signals from spacecraft
[NASA-CASE-NPO-15211-1] c 36 N81-24425

Waveguide cooling system
[NASA-CASE-NPO-15401-1] c 33 N81-29344

Coupled cavity traveling wave tube with velocity tapering
[NASA-CASE-LEW-12296-1] c 33 N82-26568

WAVELENGTHS

Method and apparatus for wavelength tuning of liquid lasers
[NASA-CASE-ERC-10187] c 16 N69-31343

Instrument for the quantitative measurement of radiation at multiple wave lengths Patent
[NASA-CASE-XLE-00011] c 14 N70-41946

Optical systems having spatially invariant outputs
[NASA-CASE-ERC-10248] c 14 N72-17323

Two color horizon sensor
[NASA-CASE-ERC-10174] c 14 N72-25409

Monitoring deposition of films
[NASA-CASE-MFS-20675] c 26 N73-26751

Dual wavelength scanning Doppler velocimeter --- without perturbation of flow fields
[NASA-CASE-ARC-10637-1] c 35 N75-16783

Diatom infrared gasdynamic laser --- for producing different wavelengths
[NASA-CASE-ARC-10370-1] c 36 N75-31426

Dual laser optical system and method for studying fluid flow
[NASA-CASE-MFS-25315-1] c 36 N81-19440

Fluorescent radiation converter
[NASA-CASE-GSC-12528-1] c 74 N81-24900

Acoustic suspension system
[NASA-CASE-NPO-15435-1] c 71 N81-27887

Acoustic levitation methods and apparatus
[NASA-CASE-NPO-15562-1] c 71 N82-27086

Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015

WAVES

Natural turbulence electrical power generator --- using wave action or random motion
[NASA-CASE-LAR-11551-1] c 44 N80-29834

- WEAR**
Refractory coatings
[NASA-CASE-LEW-13169-2] c 26 N82-30371
- WEAR INHIBITORS**
Composite seal for turbomachinery
[NASA-CASE-LEW-12131-3] c 37 N82-19540
- WEATHERPROOFING**
Weatherproof helix antenna Patent
[NASA-CASE-XKS-08485] c 07 N71-19493
- WEBS (SHEETS)**
Method and apparatus for measuring web material wound on a reel
[NASA-CASE-GSC-11902-1] c 38 N77-17495
Instrumentation for sensing moisture content of material using a transient thermal pulse
[NASA-CASE-NPO-15494-1] c 35 N82-25484
- WEBS (SUPPORTS)**
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-3] c 07 N79-14096
- WEDGES**
Two dimensional wedge/translating shroud nozzle
[NASA-CASE-LAR-11919-1] c 07 N78-27121
Interlocking wedge joint
[NASA-CASE-LAR-12729-1] c 37 N82-26676
- WEIGHT (MASS)**
Suspended mass impact damper Patent
[NASA-CASE-LAR-10193-1] c 15 N71-27146
- WEIGHT INDICATORS**
Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945
- WEIGHT MEASUREMENT**
Automatic force measuring system Patent
[NASA-CASE-XLA-02805] c 14 N71-10773
Device for monitoring a change in mass in varying gravimetric environments
[NASA-CASE-MFS-21556-1] c 35 N74-26945
Portable pallet weight apparatus
[NASA-CASE-GSC-12789-1] c 35 N83-13425
- WEIGHTLESSNESS**
Apparatus for transferring cryogenic liquids Patent
[NASA-CASE-XLE-00345] c 15 N70-38020
Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062
Measuring device Patent
[NASA-CASE-XMS-01546] c 14 N70-40233
Zero gravity starting means for liquid propellant motors Patent
[NASA-CASE-XNP-01390] c 28 N70-41275
Liquid-gas separator for zero gravity environment Patent
[NASA-CASE-XMS-01492] c 05 N70-41297
Recovery of potable water from human wastes in below-G conditions Patent
[NASA-CASE-XLA-03213] c 05 N71-11207
Zero gravity separator Patent
[NASA-CASE-XLE-00586] c 15 N71-15968
Reduced gravity simulator Patent
[NASA-CASE-XLA-01787] c 11 N71-16028
Method and apparatus of simulating zero gravity conditions Patent
[NASA-CASE-MFS-12750] c 27 N71-16223
Quick disconnect latch and handle combination Patent
[NASA-CASE-MFS-11132] c 15 N71-17649
Spherical tank gauge Patent
[NASA-CASE-XMS-06236] c 14 N71-21007
Zero gravity apparatus Patent
[NASA-CASE-XMF-06515] c 14 N71-23227
Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738
Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036
Method of making foamed materials in zero gravity
[NASA-CASE-XMF-09902] c 15 N72-11387
Remote control manipulator for zero gravity environment
[NASA-CASE-MFS-14405] c 15 N72-28495
Zero gravity liquid mixer
[NASA-CASE-LAR-10195-1] c 15 N73-19458
Zero gravity liquid transfer screen
[NASA-CASE-KSC-10626] c 14 N73-27378
Reduced gravity fecal collector seat and unnaal
[NASA-CASE-MFS-22102-1] c 54 N74-20725
Apparatus for conducting flow electrophoresis in the substantial absence of gravity
[NASA-CASE-MFS-21394-1] c 34 N74-27744
Rotary plant growth accelerating apparatus — weightlessness
[NASA-CASE-ARC-10722-1] c 51 N75-25503
Fluid control apparatus and method
[NASA-CASE-LAR-11110-1] c 34 N75-26282
Method for manufacturing mirrors in zero gravity environment
[NASA-CASE-MSC-12611-1] c 12 N76-15189
- Fluid mass sensor for a zero gravity environment
[NASA-CASE-MSC-14653-1] c 35 N77-19385
Method of crystallization — in gravity-free environments
[NASA-CASE-MFS-23001-1] c 76 N77-32919
Passive propellant system
[NASA-CASE-MFS-23642-1] c 20 N80-10278
Method and apparatus for producing concentric hollow spheres — inertial confinement fusion targets
[NASA-CASE-NPO-14596-1] c 31 N81-33319
- WEIGHTLESSNESS SIMULATION**
Reduced gravity liquid configuration simulator
[NASA-CASE-XLE-02624] c 12 N69-39988
Mass measuring system Patent
[NASA-CASE-XMS-03371] c 05 N70-42000
Harness assembly Patent
[NASA-CASE-MFS-14671] c 05 N71-12341
Whole body measurement systems — for weightlessness simulation
[NASA-CASE-MSC-13972-1] c 52 N74-10975
- WELD STRENGTH**
Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
- WELD TESTS**
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[NASA-CASE-XNP-02588] c 15 N71-18613
Method and apparatus for swept-frequency impedance measurements of welds
[NASA-CASE-ARC-10176-1] c 15 N72-21464
- WELED JOINTS**
Apparatus for welding blades to rotors
[NASA-CASE-LEW-10533-2] c 37 N74-11300
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[NASA-CASE-MFS-20767-1] c 38 N74-15130
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Capillary flow weld-bonding
[NASA-CASE-LAR-11726-1] c 37 N76-27568
- WELED STRUCTURES**
Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683
Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562
Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
Bimetallic junctions
[NASA-CASE-LEW-11573-1] c 26 N77-28265
- WELDING**
Segmented back-up bar Patent
[NASA-CASE-XMF-00640] c 15 N70-39924
Flexible back-up bar Patent
[NASA-CASE-XMF-00722] c 15 N70-40204
Apparatus for welding sheet material — butt joints
[NASA-CASE-XMS-01330] c 37 N75-27376
Weld-bonded titanium structures
[NASA-CASE-LAR-11549-1] c 37 N77-11397
Method and apparatus for holding two separate metal pieces together for welding
[NASA-CASE-GSC-12318-1] c 37 N80-23655
Joining lead wires to thin platinum alloy films
[NASA-CASE-LEW-13934-1] c 31 N83-19949
Automatic weld torch guidance control system
[NASA-CASE-MFS-25807] c 37 N83-20154
- WELDING MACHINES**
Apparatus for welding torch angle and seam tracking control Patent
[NASA-CASE-XMF-03287] c 15 N71-15607
Automatic welding speed controller Patent
[NASA-CASE-XMF-01730] c 15 N71-23050
Electric welding torch Patent
[NASA-CASE-XMF-02330] c 15 N71-23798
Welding skate with computerized control Patent
[NASA-CASE-XMF-07069] c 15 N71-23815
Computerized system for translating a torch head
[NASA-CASE-MFS-23620-1] c 37 N79-10421
- WET CELLS**
Method and device for determining battery state of charge Patent
[NASA-CASE-NPO-10194] c 03 N71-20407
- WETTING**
Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471
- WHEATSTONE BRIDGES**
Self-balancing strain gage transducer Patent
[NASA-CASE-MFS-12827] c 14 N71-17656
Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent
[NASA-CASE-XLA-02810] c 14 N71-25901
Temperature control system with a pulse width modulated bridge
[NASA-CASE-NPO-11304] c 14 N73-26430
- WHISKER COMPOSITES**
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[NASA-CASE-XLE-00228] c 17 N70-38490
- WHISKERS (CRYSTALS)**
Catalyst for growth of boron carbide single crystal whiskers
[NASA-CASE-XHO-03903] c 15 N69-21922
- WICKS**
Method of forming a wick for a heat pipe
[NASA-CASE-NPO-13391-1] c 34 N76-27515
- WIDE ANGLE LENSES**
Wide angle long eye relief eyepiece Patent
[NASA-CASE-XMS-06056-1] c 23 N71-24857
- WIDEBAND COMMUNICATION**
Wideband heterodyne receiver for laser communication system
[NASA-CASE-GSC-12053-1] c 32 N77-28346
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[NASA-CASE-MSC-18334-1] c 32 N80-32604
- WINCHES**
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[NASA-CASE-MSC-12052-1] c 15 N71-24599
- WIND DIRECTION**
A radionuclide counting technique for measuring wind velocity and direction
[NASA-CASE-LAR-12971-1] c 47 N83-14863
- WIND EFFECTS**
Viscous pendulum damper Patent
[NASA-CASE-LAR-10274-1] c 14 N71-17626
- WIND MEASUREMENT**
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[NASA-CASE-XMF-14032] c 20 N71-16340
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Wind sensor
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[NASA-CASE-MFS-23178-1] c 35 N77-10493
Wind measurement system
[NASA-CASE-MFS-23362-1] c 47 N77-10753
- WIND PROFILES**
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[NASA-CASE-XLA-02081] c 20 N71-16281
- WIND SHEAR**
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[NASA-CASE-NPO-15351-1] c 06 N83-10040
- WIND TUNNEL APPARATUS**
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[NASA-CASE-XLA-00112] c 11 N70-33287
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[NASA-CASE-XAC-00319] c 25 N70-41628
Test unit free-flight suspension system Patent
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Electric arc apparatus Patent
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- WIND TUNNEL DRIVES**
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[NASA-CASE-XMF-00411] c 11 N70-36913
- WIND TUNNEL MODELS**
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[NASA-CASE-LAR-11138] c 12 N71-20436
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Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030
Wind tunnel model damper Patent
[NASA-CASE-XLA-09480] c 11 N71-33612
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[NASA-CASE-LAR-10812-1] c 09 N74-17955
Method for determining thermo-physical properties of specimens — photographic recording of changes in thin film phase-change temperature indicating material in wind tunnel
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[NASA-CASE-LAR-12458-1] c 44 N83-21503
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- WIND TUNNEL NOZZLES**
Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129

Wind tunnel supplementary Mach number minimum section insert
[NASA-CASE-LAR-12532-1] c 09 N82-11088

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Metallic hot wire anemometer --- for high speed wind tunnel tests
[NASA-CASE-ARC-10911-1] c 35 N77-20400
Multi-purpose wind tunnel reaction control model block
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Sound shield
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Thin film gauge --- for measuring convective heat transfer rates along test surfaces in wind tunnels
[NASA-CASE-NPO-10617-1] c 35 N74-22095
Wind tunnel flow generation section
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Apparatus for reducing aerodynamic noise in a wind tunnel
[NASA-CASE-MFS-23099-1] c 09 N76-23273
Static pressure orifice system testing method and apparatus
[NASA-CASE-LAR-12269-1] c 35 N80-18358

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Amplified wind turbine apparatus
[NASA-CASE-MFS-23830-1] c 44 N82-24639
Wind and solar powered turbine
[NASA-CASE-NPO-15496-1] c 44 N82-28784

WIND VELOCITY

A radionuclide counting technique for measuring wind velocity and direction
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WIND VELOCITY MEASUREMENT

Wind velocity probing device and method Patent
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[NASA-CASE-XNP-09701] c 14 N71-26475
Pulse coupling circuit
[NASA-CASE-LEW-10433-1] c 09 N72-22197

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Electrical power generating system --- for windpowered generation
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[NASA-CASE-LAR-12923-1] c 44 N82-29713

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[NASA-CASE-LAR-10513-1] c 07 N72-25170
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[NASA-CASE-NPO-10890] c 11 N73-12265
Glass heating panels and method for preparing the same from architectural reflective glass
[NASA-CASE-NPO-15753-1] c 33 N82-23396

WINDPOWER UTILIZATION

Amplified wind turbine apparatus
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Wind wheel electric power generator
[NASA-CASE-MFS-23515-1] c 44 N80-21828
Electrical power generating system --- for windpowered generation
[NASA-CASE-MFS-24368-3] c 33 N81-22280

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Transparent fire resistant polymers structures
[NASA-CASE-ARC-10813-1] c 27 N76-16230

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Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N82-18203

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Jet aircraft configuration Patent
[NASA-CASE-XLA-00087] c 02 N70-33332

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Variable-span aircraft Patent
[NASA-CASE-XLA-00166] c 02 N70-34178
Annular wing
[NASA-CASE-FRC-11007-2] c 05 N82-26277

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Solar powered aircraft
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Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N82-18203

WING TIP VORTICES

Wingtip vortex dissipator for aircraft
[NASA-CASE-LAR-11645-1] c 02 N77-10001

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Smoke generator
[NASA-CASE-ARC-10905-1] c 37 N77-13418
Wingtip vortex turbine
[NASA-CASE-LAR-12544-1] c 07 N81-27096

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[NASA-CASE-LAR-10574-1] c 11 N73-13257
Surface finishing --- for aircraft wings
[NASA-CASE-MSC-12631-1] c 24 N77-28225
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[NASA-CASE-FRC-10092-1] c 05 N79-12061
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[NASA-CASE-LAR-12261-1] c 02 N80-20224
System for use in conducting wake investigation for a wing in flight --- differential pressure measurements for drag investigations
[NASA-CASE-FRC-11024-1] c 02 N80-28300
Means for controlling aerodynamically induced twist
[NASA-CASE-LAR-12175-1] c 05 N82-28279
Decoupler pylon wing/store flutter suppressor
[NASA-CASE-LAR-12468-1] c 08 N82-32373

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Transpiration cooled turbine blade manufactured from wires Patent
[NASA-CASE-XLE-00020] c 15 N70-33226
Soldering device Patent
[NASA-CASE-XLA-08911] c 15 N71-27214
Forming tool for ribbon or wire
[NASA-CASE-XLA-05966] c 15 N72-12408
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[NASA-CASE-FRC-10038] c 15 N72-20444
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[NASA-CASE-MFS-13687-2] c 09 N72-22198
Butt welder for fine gauge tungsten/rhenium thermocouple wire
[NASA-CASE-LAR-10103-1] c 15 N73-14468
Method of fabricating a twisted composite superconductor
[NASA-CASE-LEW-11015] c 26 N73-32571
Joining lead wires to thin platinum alloy films
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WIRE BRIDGE CIRCUITS

Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809

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Insulating structure Patent
[NASA-CASE-XMF-00341] c 15 N70-33323
Method of making screen by casting Patent
[NASA-CASE-XLE-00953] c 15 N71-15966

WIRE WINDING

Adjustable tension wire guide Patent
[NASA-CASE-XMS-02383] c 15 N71-15918
Superconducting alternator Patent
[NASA-CASE-XLE-02823] c 09 N71-23443
Electric motive machine including magnetic bearing
[NASA-CASE-XGS-07805] c 15 N72-33476
Laser measuring system for incremental assemblies --- measuring wire-wrapped frame assemblies in spark chambers
[NASA-CASE-GSC-12321-1] c 36 N82-16396

WIRELESS COMMUNICATION

Silent emergency alarm system for schools and the like
[NASA-CASE-NPO-11307-1] c 10 N73-30205
RF beam center location method and apparatus for power transmission system
[NASA-CASE-NPO-13821-1] c 44 N78-28594

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Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325
Test apparatus for locating shorts during assembly of electrical buses
[NASA-CASE-ARC-11116-1] c 33 N82-24420

WOODEN STRUCTURES

Structural wood panels with improved fire resistance
[NASA-CASE-ARC-11174-1] c 24 N81-13999

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Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917
Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103
Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434

WORK HARDENING

Method of producing complex aluminum alloy parts of high temper, and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333

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Heat pipe with dual working fluids
[NASA-CASE-ARC-10198] c 34 N78-17336
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[NASA-CASE-NPO-15015-1] c 25 N82-28368

Heat pipes containing alkali metal working fluid
[NASA-CASE-LEW-12253-1] c 74 N83-19596

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Methods and apparatus employing vibratory energy for wrenching Patent
[NASA-CASE-MFS-20586] c 15 N71-17686
System for enhancing tool-exchange capabilities of a portable wrench
[NASA-CASE-MFS-22283-1] c 37 N75-33395
Zero torque gear head wrench
[NASA-CASE-NPO-13059-1] c 37 N76-20480
High-torque open-end wrench
[NASA-CASE-NPO-13541-1] c 37 N79-14383

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Wrist joint assembly
[NASA-CASE-MFS-23311-1] c 54 N78-17676

X**X RAY ABSORPTION**

Low X-ray absorption aneurysm clips
[NASA-CASE-LAR-12650-1] c 52 N81-29768

X RAY APPARATUS

Device and method for determining X ray reflection efficiency of optical surfaces
[NASA-CASE-MFS-20243] c 23 N73-13662
X-ray position detector
[NASA-CASE-NPO-12087-1] c 74 N81-19898

X RAY DIFFRACTION

Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

X RAY IMAGERY

Low intensity X-ray and gamma-ray imaging device --- fiber optics
[NASA-CASE-GSC-12263-1] c 74 N79-20857
X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882

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Method of determining bond quality of power transistors attached to substrates --- X ray inspection of junction microstructure
[NASA-CASE-MFS-21931-1] c 37 N75-26372
Apparatus for use in examining the lattice of a semiconductor wafer by X-ray diffraction
[NASA-CASE-MFS-23315-1] c 76 N78-24950

X RAY IRRADIATION

Multiple environment materials test chamber having a multiple port X-ray tube for irradiating a plurality of samples Patent
[NASA-CASE-XMS-02930] c 11 N71-23042

X RAY SOURCES

Imaging X-ray spectrometer
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Imaging X-ray spectrometer
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Low intensity X-ray and gamma-ray spectrometer
[NASA-CASE-GSC-12587-1] c 35 N82-32659

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[NASA-CASE-XHQ-04106] c 14 N70-40240
Three mirror grazing incidence system for X-ray telescope
[NASA-CASE-MFS-21372-1] c 74 N74-27866
Method of and means for testing a glancing-incidence mirror system of an X-ray telescope
[NASA-CASE-MFS-22409-2] c 74 N78-15880
Extended range X-ray telescope
[NASA-CASE-MFS-25282-1] c 34 N83-19015

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Support structure for irradiated elements Patent
[NASA-CASE-XNP-08031] c 15 N71-15606
Selective image area control of X-ray film exposure density
[NASA-CASE-NPO-13808-1] c 35 N78-15461
Real-time 3D X-ray and gamma-ray viewer
[NASA-CASE-GSC-12640-1] c 74 N82-10862

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[NASA-CASE-XLA-08646] c 14 N71-17586
Particle parameter analyzing system --- x-y plotter circuits and display
[NASA-CASE-XLE-06094] c 33 N78-17293
Spatial energy distribution --- scanning a tunable diode laser beam automatically
[NASA-CASE-LAR-12631-1] c 35 N82-18557

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Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421

XENON LAMPS

Optical pump and driver system for lasers
[NASA-CASE-ERC-10283] c 16 N72-25485

SUBJECT INDEX

ZIRCONIUM OXIDES

- Purging means and method for Xenon arc lamps
[NASA-CASE-NPO-11978] c 31 N78-17238
- Multiple anode arc lamp system
[NASA-CASE-NPO-10857-1] c 33 N80-14330

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YAG LASERS

- Dually mode locked Nd YAG laser
[NASA-CASE-GSC-11746-1] c 36 N75-19654
- Length controlled stabilized mode-lock Nd YAG laser
[NASA-CASE-GSC-11571-1] c 36 N77-25499

YARNS

- Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
- Lightweight electrically-powered flexible thermal laminate --- made of metal and nonconductive yarns
[NASA-CASE-MSC-12662-1] c 33 N79-12331

YAW

- Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581
- Thrust augmented spin recovery device
[NASA-CASE-LAR-11970-2] c 08 N81-19130

YIELD STRENGTH

- High toughness-high strength iron alloy
[NASA-CASE-LEW-12542-3] c 26 N80-32484

YO-YO DEVICES

- Stretch de-spin mechanism Patent
[NASA-CASE-XGS-00619] c 30 N70-40016

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- Filter system for control of outgas contamination in vacuum Patent
[NASA-CASE-MFS-14711] c 15 N71-26185

ZINC

- Potassium silicate zinc coatings
[NASA-CASE-GSC-10361-1] c 18 N72-23581
- Rechargeable battery which combats shape change of the zinc anode
[NASA-CASE-HQN-10862-1] c 44 N76-29699

ZINC COMPOUNDS

- Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
- Synthesis of zinc titanate pigment and coatings containing the same
[NASA-CASE-MFS-13532] c 18 N72-17532
- Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
- Zinc-halide battery with molten electrolyte
[NASA-CASE-NPO-11961-1] c 44 N76-18643
- Method of preparing zinc orthotitanate pigment
[NASA-CASE-MFS-23345-1] c 27 N77-30237

ZINC OXIDES

- Stabilized zinc oxide coating compositions Patent
[NASA-CASE-XMF-07770-2] c 18 N71-26772
- Method of forming transparent films of ZnO
[NASA-CASE-FRC-10019] c 15 N73-12487

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- Zirconium modified nickel-copper alloy
[NASA-CASE-LEW-12245-1] c 26 N77-20201
- Nicral ternary alloy having improved cyclic oxidation resistance
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- Zirconium carbide as an electrocatalyst for the chromous/chromic redox couple
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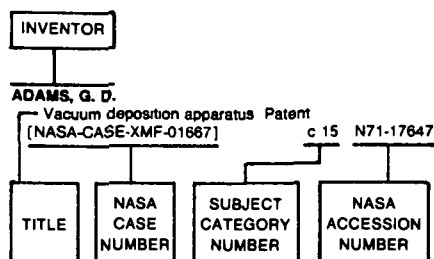
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- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
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- Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide
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NASA PATENT ABSTRACTS BIBLIOGRAPHY Section 2

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Typical Inventor Index Listing



Listings in this index are arranged alphabetically by inventor. The title of the document provides the user with a brief description of the subject matter. The NASA Case Number is the prime access point to patent documents. The subject category number indicates the category in Section 1 (Abstracts) in which the citation is located. The NASA accession number denotes the number by which the citation is identified within the subject category. The titles are arranged under each inventor in ascending accession number order.

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ABEL, I. R.
Optical instruments
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ABERNATHY, W. J.
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[NASA-CASE-MFS-21485-1] c 37 N74-25968

ABHYANKAR, K. D.
Interferometer-polarimeter
[NASA-CASE-NPO-11239] c 14 N73-12446

ABSHIRE, J. B.
Polarization compensator for optical communications
[NASA-CASE-GSC-11782-1] c 74 N76-30053
Geodetic distance measuring apparatus
[NASA-CASE-GSC-12609-1] c 36 N81-22344
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[NASA-CASE-ARC-11405-1] c 27 N83-12239
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[NASA-CASE-ARC-11413-1] c 27 N83-14275

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Photosensitive device to detect bearing deviation
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[NASA-CASE-XNP-00438] c 21 N70-35089
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[NASA-CASE-XNP-00465] c 21 N70-35395
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[NASA-CASE-XNP-02982] c 31 N70-41855
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[NASA-CASE-XNP-01020] c 03 N71-12260
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Two axis fluxgate magnetometer Patent
[NASA-CASE-GSC-10441-1] c 14 N71-27325
Controllable high voltage source having fast settling time
[NASA-CASE-GSC-11844-1] c 33 N75-19522

ADACHI, R. R.
Programmable physiological infusion
[NASA-CASE-ARC-10447-1] c 52 N74-22771

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Pretreatment method for anti-wettable materials
[NASA-CASE-XMS-03537] c 15 N69-21471

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Vacuum deposition apparatus Patent
[NASA-CASE-XMF-01667] c 15 N71-17647
Evaporant source for vapor deposition Patent
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Miniature spectrally selective dosimeter
[NASA-CASE-LAR-12469-1] c 35 N83-21311

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High stability buffered phase comparator
[NASA-CASE-GSC-12645-1] c 33 N81-31482
High stability amplifier
[NASA-CASE-GSC-12646-1] c 33 N81-32391

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Impact absorbing blade mounts for variable pitch blades
[NASA-CASE-LEW-12313-1] c 37 N78-10468
Variable thrust nozzle for quiet turbofan engine and method of operating same
[NASA-CASE-LEW-12317-1] c 07 N78-17055
Gas turbine engine with convertible accessories
[NASA-CASE-LEW-12390-1] c 07 N78-17056
Integrated gas turbine engine-nacelle
[NASA-CASE-LEW-12389-2] c 07 N78-18066
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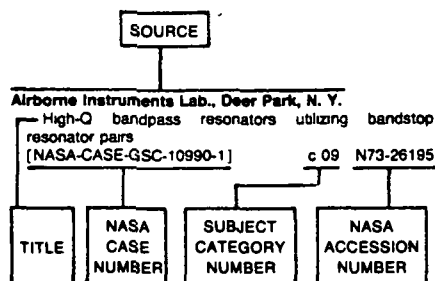
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Beech Aircraft Corp., Wichita, Kans.
X-ray determination of parts alignment
[NASA-CASE-MSC-20418-1] c 37 N83-17882

Bell and Howell Co., Chicago, Ill.
Boron trifluoride coatings for thermoplastic materials and method of applying same in glow discharge
[NASA-CASE-ARC-11057-1] c 27 N78-31233
Process for producing a well-adhered durable optical coating on an optical plastic substrate
[NASA-CASE-ARC-11039-1] c 74 N78-32854

Bell Aerospace Co., Buffalo, N. Y.
Modulator for tone and binary signals
[NASA-CASE-GSC-11743-1] c 32 N75-24981
Correlation type phase detector
[NASA-CASE-GSC-11744-1] c 33 N75-26243

Bell Aerosystems Co., Buffalo, N. Y.
Lunar landing flight research vehicle Patent
[NASA-CASE-XFR-00929] c 31 N70-34966
Flexibly connected support and skin Patent
[NASA-CASE-XLA-01027] c 31 N71-24035
Injection head for delivering liquid fuel and oxidizers
[NASA-CASE-NPO-10046] c 28 N72-17843
Flight control system
[NASA-CASE-MSC-13397-1] c 21 N72-25595

Bellcomm, Inc., Washington, D. C.
Physical correction filter for improving the optical quality of an image
[NASA-CASE-HQN-10542-1] c 74 N75-25706

Bendix Corp., Ann Arbor, Mich.
Circuit breaker utilizing magnetic latching relays Patent
[NASA-CASE-MSC-11277] c 09 N71-29008

Bendix Corp., Columbia, Md.
Microwave dichroic plate
[NASA-CASE-GSC-12171-1] c 33 N79-28416

Bendix Corp., Davenport, Iowa.
Dual stage check valve
[NASA-CASE-MSC-13587-1] c 15 N73-30459

Bendix Corp., Detroit, Mich.
Deformable vehicle wheel Patent
[NASA-CASE-MFS-20400] c 31 N71-18611

Bendix Corp., Huntsville, Ala.
Multi axes vibration fixtures
[NASA-CASE-MFS-20242] c 14 N73-19421

Bendix Corp., Kennedy Space Center, Fla.
Color perception tester
[NASA-CASE-KSC-10278] c 05 N72-16015

Bendix Corp., Teterboro, N. J.
Evacuation valve
[NASA-CASE-LAR-10061-1] c 15 N72-31483

Bendix Research Labs., Southfield, Mich.
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[NASA-CASE-GSC-11602-1] c 33 N74-21850

Bionetics Corp., Hampton, Va.
Small conductive particle sensor
[NASA-CASE-LAR-12552-1] c 35 N82-11431

Boeing Aerospace Co., Houston, Tex.
Fluid sample collection and distribution system
[NASA-CASE-MSC-16841-1] c 34 N79-24285
Method and automated apparatus for detecting coliform organisms
[NASA-CASE-MSC-16777-1] c 51 N80-27067

Boeing Aerospace Co., Seattle, Wash.
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389

Boeing Co., Cocoa Beach, Fla.
Positive contact resistance soldering unit
[NASA-CASE-KSC-10242] c 15 N72-23497
Variable resistance constant tension and lubrication device
[NASA-CASE-KSC-10723-1] c 37 N75-13265

Boeing Co., Houston, Tex.
Method and apparatus for eliminating luminol interference material
[NASA-CASE-MSC-16260-1] c 51 N80-16714

Boeing Co., Huntsville, Ala.
Hydrogen fire blink detector
[NASA-CASE-MFS-15083] c 14 N72-25412
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[NASA-CASE-MFS-15162] c 14 N72-32452
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[NASA-CASE-MFS-15218-1] c 37 N77-19457

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[NASA-CASE-MSC-14180-1] c 52 N76-14757

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[NASA-CASE-FRC-10053] c 14 N70-35587
Method of inhibiting stress corrosion cracks in titanium alloys Patent
[NASA-CASE-NPO-10271] c 17 N71-16393
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[NASA-CASE-XNP-09205] c 14 N71-17657
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[NASA-CASE-XLA-05966] c 15 N72-12408
Solar cell assembly test method
[NASA-CASE-NPO-10401] c 03 N72-20033
Thermal compression bonding of interconnectors
[NASA-CASE-GSC-10303] c 15 N72-22487
Extrusion can
[NASA-CASE-NPO-10812] c 15 N73-13464
Radiation sensitive solid state switch
[NASA-CASE-NPO-10817-1] c 08 N73-30135
Plasma cleaning device
[NASA-CASE-MFS-22906-1] c 75 N78-27913
Calibrating pressure switch
[NASA-CASE-XMF-04494-1] c 33 N79-33392

Boeing Commercial Airplane Co., Seattle, Wash.
Improved tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N80-18402
Tire/wheel concept
[NASA-CASE-LAR-11695-2] c 37 N81-24443
Slotted variable camber flap
[NASA-CASE-LAR-12541-1] c 05 N82-18203
Fuselage structure using advanced technology fiber reinforced composites
[NASA-CASE-LAR-11688-1] c 24 N82-26384

Borden, Inc., New York, N.Y.
Process of treating cellululosic membrane and alkaline with membrane separator
[NASA-CASE-GSC-10019-1] c 44 N82-24641
Separator for alkaline batteries and method of making same
[NASA-CASE-GSC-10350-1] c 44 N82-24642
Separator for alkaline electric cells and method of making
[NASA-CASE-GSC-10017-1] c 44 N82-24643
Separator for alkaline electric batteries and method of making
[NASA-CASE-GSC-10018-1] c 44 N82-24644
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[NASA-CASE-GSC-10349-1] c 44 N82-24645
Aqueous alkali metal hydroxide insoluble cellulose ether membrane
[NASA-CASE-XGS-05584-1] c 25 N82-29370

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[NASA-CASE-NPO-12107] c 08 N71-27255

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[NASA-CASE-MSC-13530-2] c 23 N75-14834

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[NASA-CASE-XMF-01887] c 15 N71-10617
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[NASA-CASE-MFS-11497] c 28 N71-16224
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[NASA-CASE-XMF-04966] c 14 N71-17658
Method of recording a gas flow pattern Patent
[NASA-CASE-XMF-01779] c 12 N71-20815
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[NASA-CASE-XMF-00684] c 21 N71-21688
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[NASA-CASE-MFS-20325] c 28 N71-27095
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[NASA-CASE-MFS-20619] c 28 N72-11708

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Temperature regulation circuit Patent
[NASA-CASE-XNP-02792] c 14 N71-28958

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[NASA-CASE-XNP-02982] c 31 N70-41855
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[NASA-CASE-NPO-14641-1] c 32 N81-29308
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[NASA-CASE-NPO-13689-2] c 44 N81-29525
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[NASA-CASE-NPO-14542-1] c 25 N82-23282

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[NASA-CASE-XNP-08907] c 23 N71-29123
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[NASA-CASE-LAR-10728-1] c 14 N73-12445
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[NASA-CASE-HQN-10876-1] c 33 N76-27473
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[NASA-CASE-MSC-14773-1] c 35 N78-12390
Automatic multiple-sample applicator and electrophoresis apparatus
[NASA-CASE-ARC-10991-1] c 25 N78-14104
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[NASA-CASE-ARC-10992-1] c 26 N78-32229
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[NASA-CASE-ARC-11121-1] c 25 N79-14169

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[NASA-CASE-XNP-04167-2] c 25 N72-24753
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[NASA-CASE-GSC-11394-1] c 09 N73-32109

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[NASA-CASE-XLA-00189] c 33 N70-36846
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[NASA-CASE-MFS-14253] c 33 N71-24858
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[NASA-CASE-XMF-04132] c 15 N69-27502

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[NASA-CASE-MSC-18172-1] c 26 N80-19237

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[NASA-CASE-GSC-10667-1] c 10 N71-33129
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[NASA-CASE-MSC-12389] c 33 N71-29052
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[NASA-CASE-NPO-11366] c 11 N73-26238

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[NASA-CASE-XNP-06032] c 09 N69-21926
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[NASA-CASE-XNP-06234] c 10 N71-27137
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[NASA-CASE-MFS-23862-1] c 48 N80-18667
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[NASA-CASE-ARC-11372-1] c 08 N83-12098
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[NASA-CASE-MSC-12640-1] c 74 N76-31998
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[NASA-CASE-XNP-02654] c 10 N70-42032
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[NASA-CASE-XNP-06914] c 15 N71-21489
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[NASA-CASE-XNP-02595] c 31 N71-21881
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[NASA-CASE-HQN-10792-1] c 33 N74-11049
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[NASA-CASE-XNP-02899-1] c 33 N79-21265
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[NASA-CASE-XNP-01263-2] c 15 N71-26312
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[NASA-CASE-XGS-00740] c 07 N71-23098
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Electric battery and method for operating same Patent
[NASA-CASE-XGS-01674] c 03 N71-29129
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[NASA-CASE-NPO-11806-1] c 44 N74-19693
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[NASA-CASE-XNP-03332] c 09 N71-10618
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[NASA-CASE-LEW-10393-1] c 17 N71-15468
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[NASA-CASE-XNP-09770] c 15 N71-20440
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[NASA-CASE-XMS-04201] c 14 N71-22990
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[NASA-CASE-GSC-11074-1] c 14 N73-28489
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[NASA-CASE-MFS-25403-1] c 18 N81-24164
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[NASA-CASE-GSC-10441-1] c 14 N71-27325
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[NASA-CASE-MFS-20096] c 14 N71-30026
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[NASA-CASE-GSC-11018-1] c 31 N73-30829
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[NASA-CASE-XMS-05894-1] c 15 N69-21924
Portable environmental control system Patent
[NASA-CASE-XMS-09632-1] c 05 N71-11203
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[NASA-CASE-XMS-05890] c 09 N71-23191
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[NASA-CASE-MSC-10960-1] c 03 N71-24718
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[NASA-CASE-LAR-10270-1] c 32 N72-25877
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[NASA-CASE-MSC-13335-1] c 06 N72-31140
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[NASA-CASE-MSC-11072] c 54 N74-32546
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[NASA-CASE-MSC-14757-1] c 35 N78-10428
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[NASA-CASE-XMS-01295-1] c 37 N79-21345
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[NASA-CASE-MFS-25215-1] c 33 N81-31481
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[NASA-CASE-MFS-21214-1] c 09 N73-30181
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[NASA-CASE-XNP-05612] c 09 N69-21468
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[NASA-CASE-XLE-00586] c 15 N71-15968
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[NASA-CASE-LAR-10551-1] c 25 N74-12813
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[NASA-CASE-MFS-22991-1] c 34 N77-10463
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[NASA-CASE-LEW-12419-1] c 07 N77-14025
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[NASA-CASE-LEW-12760-1] c 07 N77-17059
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[NASA-CASE-LEW-12550-1] c 24 N77-19170
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[NASA-CASE-LEW-12830-1] c 07 N77-23106
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[NASA-CASE-LEW-12313-1] c 37 N78-10468
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[NASA-CASE-LEW-12317-1] c 07 N78-17055
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[NASA-CASE-LEW-12390-1] c 07 N78-17056
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[NASA-CASE-LEW-12916-1] c 37 N78-17384
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[NASA-CASE-LEW-12793-1] c 37 N79-11403
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[NASA-CASE-LEW-12389-3] c 07 N79-14096
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[NASA-CASE-LEW-12658-1] c 71 N79-14871
Method and apparatus for rapid thrust increases in a turbofan engine
[NASA-CASE-LEW-12971-1] c 07 N80-18039
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[NASA-CASE-LEW-13201-1] c 07 N81-14999
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[NASA-CASE-MFS-21441-1] c 14 N73-30392

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[NASA-CASE-NPO-13160-1] c 35 N74-18090

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[NASA-CASE-MFS-21395-1] c 25 N74-26948

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[NASA-CASE-MFS-21394-1] c 34 N74-27744

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[NASA-CASE-LEW-12619-1] c 24 N77-19171

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[NASA-CASE-XGS-03351] c 31 N71-16081

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[NASA-CASE-XGS-01293-1] c 35 N79-33450

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[NASA-CASE-XGS-01593] c 03 N70-35408

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[NASA-CASE-GSC-11533-1] c 14 N73-13435

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[NASA-CASE-GSC-11531-1] c 52 N74-27566

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[NASA-CASE-ARC-10266-1] c 33 N75-29318

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[NASA-CASE-XLE-10717] c 37 N75-29426

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[NASA-CASE-LEW-13148-1] c 33 N80-20487

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[NASA-CASE-LEW-13148-2] c 44 N81-29524

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[NASA-CASE-GSC-11514-1] c 03 N72-24037

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[NASA-CASE-XLA-04622] c 03 N70-41580

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[NASA-CASE-XLE-03803-2] c 15 N71-17651

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[NASA-CASE-XLE-03803] c 15 N71-23816

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[NASA-CASE-MFS-14023] c 33 N71-25351

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[NASA-CASE-LAR-10373-1] c 18 N71-26155

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[NASA-CASE-XMS-10984-1] c 10 N71-19417

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[NASA-CASE-XMS-09652-1] c 05 N71-26333

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[NASA-CASE-MSC-16394-1] c 28 N81-24280

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[NASA-CASE-MSC-20127-1] c 44 N82-32843

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[NASA-CASE-LAR-12196-1] c 33 N81-26358

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[NASA-CASE-LAR-12195-1] c 31 N81-27324

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[NASA-CASE-XMF-02108] c 31 N70-36845

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[NASA-CASE-XGS-05533] c 04 N69-27487

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[NASA-CASE-GSC-10218-1] c 15 N72-21465

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[NASA-CASE-LAR-10416-1] c 24 N74-30001

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[NASA-CASE-MSC-12033-1] c 09 N71-13531

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[NASA-CASE-XMS-02184] c 15 N71-20813

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[NASA-CASE-XNP-05297] c 15 N71-23811

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[NASA-CASE-XNP-09572] c 14 N71-15621

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[NASA-CASE-XLE-00953] c 15 N71-15966

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[NASA-CASE-XLE-00703] c 15 N71-15967

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[NASA-CASE-XNP-01735] c 07 N71-22750

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[NASA-CASE-XNP-04338] c 17 N71-23046

Construction and method of arranging a plurality of ion engines to form a cluster Patent
[NASA-CASE-XNP-02923] c 28 N71-23081

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[NASA-CASE-XNP-00597] c 18 N71-23088

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[NASA-CASE-XNP-02139] c 18 N71-24184

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[NASA-CASE-XNP-03916] c 09 N71-28810

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[NASA-CASE-HON-00936] c 31 N71-29050

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[NASA-CASE-XNP-04339] c 17 N71-29137

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[NASA-CASE-MFS-22324-1] c 27 N75-27160

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[NASA-CASE-XNP-04780] c 08 N71-19687

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[NASA-CASE-XNP-02592] c 24 N71-20518

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[NASA-CASE-XMS-06740-1] c 07 N71-26579

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[NASA-CASE-XNP-03413] c 03 N71-26726

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[NASA-CASE-XNP-04262-2] c 17 N71-26773

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[NASA-CASE-NPO-10301] c 07 N72-11148

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[NASA-CASE-NPO-11377] c 15 N73-27406

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[NASA-CASE-GSC-11909] c 32 N74-20863

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[NASA-CASE-MFS-22411-1] c 37 N74-21058

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[NASA-CASE-GSC-11353-1] c 74 N74-21304

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[NASA-CASE-GSC-12058-1] c 74 N77-26942

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[NASA-CASE-GSC-12059-1] c 35 N77-27366

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[NASA-CASE-GSC-12146-1] c 33 N78-32340

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[NASA-CASE-GSC-12148-1] c 32 N79-20296

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[NASA-CASE-MSC-18035-1] c 32 N81-15179

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[NASA-CASE-GSC-12147-1] c 32 N81-27341

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[NASA-CASE-XLE-05260] c 14 N71-20429

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[NASA-CASE-GSC-11553-1] c 35 N74-15831

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[NASA-CASE-MFS-21424-1] c 34 N74-27730

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[NASA-CASE-NPO-13969-1] c 76 N79-23798

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[NASA-CASE-XMF-04238] c 09 N69-39734

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[NASA-CASE-XMF-02107] c 15 N71-10809

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[NASA-CASE-NPO-14295-1] c 76 N80-32245

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[NASA-CASE-XLE-10910] c 18 N71-29040

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[NASA-CASE-GSC-12566-1] c 36 N82-10390

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[NASA-CASE-GSC-12565-1] c 36 N82-24485

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[NASA-CASE-MSC-12609-1] c 05 N73-32012

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[NASA-CASE-MSC-12239-1] c 52 N79-21750

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[NASA-CASE-XMF-02039] c 15 N71-15871

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[NASA-CASE-XMF-05279] c 18 N71-16124

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[NASA-CASE-XMF-07770-2] c 18 N71-26772

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[NASA-CASE-MFS-13532] c 18 N72-17532

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[NASA-CASE-KSC-10108] c 14 N73-25461

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[NASA-CASE-MFS-23345-1] c 27 N77-30237

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[NASA-CASE-MSC-18407-1] c 33 N82-24427

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[NASA-CASE-GSC-10373-1] c 07 N71-19773

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[NASA-CASE-FRC-11005-1] c 06 N82-16075

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[NASA-CASE-XNP-09752] c 14 N69-21541

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[NASA-CASE-XNP-07478] c 14 N69-21923

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[NASA-CASE-XNP-09785] c 08 N69-21928

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[NASA-CASE-XNP-07481] c 25 N69-21929

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[NASA-CASE-XNP-05975] c 15 N69-23185

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[NASA-CASE-NPO-10309] c 15 N69-23190

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[NASA-CASE-XNP-09227] c 15 N69-24319

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[NASA-CASE-XNP-04183] c 09 N69-24329

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[NASA-CASE-XNP-09228] c 09 N69-27500

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[NASA-CASE-XNP-09452] c 15 N69-27504

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[NASA-CASE-XNP-04180] c 07 N69-39736

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[NASA-CASE-XNP-06508] c 18 N69-39895

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[NASA-CASE-XNP-09776] c 09 N69-39929

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[NASA-CASE-XNP-08882] c 15 N69-39935

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[NASA-CASE-XNP-04816] c 06 N69-39936

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[NASA-CASE-NPO-11138] c 03 N70-34646

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[NASA-CASE-XNP-04162-1] c 08 N70-34675

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[NASA-CASE-NPO-11106] c 14 N70-34697

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[NASA-CASE-NPO-10682] c 15 N70-34699

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[NASA-CASE-XNP-00595] c 15 N70-34967

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[NASA-CASE-XNP-00611] c 09 N70-35219

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[NASA-CASE-XNP-00449] c 14 N70-35220

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[NASA-CASE-XNP-00540] c 09 N70-35382

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[NASA-CASE-XNP-00708] c 14 N70-35394

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[NASA-CASE-XNP-00465] c 21 N70-35395

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[NASA-CASE-XNP-00644] c 03 N70-36803

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[NASA-CASE-XNP-00614] c 14 N70-36907

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[NASA-CASE-XNP-00748] c 07 N70-36911

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[NASA-CASE-XNP-00294] c 21 N70-36938

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[NASA-CASE-XNP-00416] c 15 N70-36947

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[NASA-CASE-XNP-00738] c 09 N70-38201

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[NASA-CASE-XNP-00425] c 11 N70-38202

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[NASA-CASE-XNP-00840] c 15 N70-38225

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[NASA-CASE-XNP-00249] c 28 N70-38249

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[NASA-CASE-XNP-01962] c 32 N70-41370

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[NASA-CASE-XNP-02723] c 07 N70-41680

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[NASA-CASE-XNP-01749] c 27 N70-41897

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[NASA-CASE-XNP-01951] c 09 N70-41929

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[NASA-CASE-XNP-03128] c 10 N70-41991

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[NASA-CASE-XNP-03134] c 07 N71-10676

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[NASA-CASE-XNP-01464] c 03 N71-10728

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[NASA-CASE-XNP-06506] c 03 N71-11050

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Solder flux which leaves corrosion-resistant coating Patent
[NASA-CASE-XNP-03459-2] c 18 N71-15688

Intermittent type silica gel adsorption refrigerator Patent
[NASA-CASE-XNP-00920] c 15 N71-15906

Dual mode horn antenna Patent
[NASA-CASE-XNP-01057] c 07 N71-15907

Means for controlling rupture of shock tube diaphragms Patent
[NASA-CASE-XNP-00731] c 11 N71-15960

Insertion loss measuring apparatus having transformer means connected across a pair of bolometers Patent
[NASA-CASE-XNP-01193] c 10 N71-16057

Polarimeter for transient measurement Patent
[NASA-CASE-XNP-08883] c 23 N71-16101

Flexible composite membrane Patent
[NASA-CASE-XNP-08837] c 18 N71-16210

Mount for thermal control system Patent
[NASA-CASE-XNP-10138] c 33 N71-16357

Optical characteristics measuring apparatus Patent
[NASA-CASE-XNP-08840] c 23 N71-16365

Parallel plate viscometer Patent
[NASA-CASE-XNP-09462] c 14 N71-17584

Means and method of measuring viscoelastic strain Patent
[NASA-CASE-XNP-01153] c 32 N71-17645

Interferometer direction sensor Patent
[NASA-CASE-XNP-10320] c 14 N71-17655

Interferometer servo system Patent
[NASA-CASE-XNP-10300] c 14 N71-17662

Electrical spot terminal assembly Patent
[NASA-CASE-XNP-10034] c 15 N71-17685

Sealed separable connection Patent
[NASA-CASE-XNP-10064] c 15 N71-17693

Incremental motion drive system Patent
[NASA-CASE-XNP-08897] c 15 N71-17694

Microbalance including crystal oscillators for measuring contaminants in a gas system Patent
[NASA-CASE-XNP-10144] c 14 N71-17701

Apparatus and method for protecting a photographic device Patent
[NASA-CASE-XNP-10174] c 14 N71-18465

Ranging system Patent
[NASA-CASE-XNP-10066] c 09 N71-18598

High impact pressure regulator Patent
[NASA-CASE-XNP-10175] c 14 N71-18625

Magnetic core current steering commutator Patent
[NASA-CASE-XNP-10201] c 08 N71-18694

Method of using photovoltaic cell using poly-N-vinylcarbazole complex Patent
[NASA-CASE-XNP-10373] c 03 N71-18698

A dc-coupled noninverting one-shot Patent
[NASA-CASE-XNP-09450] c 10 N71-18723

Automatic fault correction system for parallel signal channels Patent
[NASA-CASE-XNP-03263] c 09 N71-18843

Data compression processor Patent
[NASA-CASE-XNP-10068] c 08 N71-19288

Tape guidance system and apparatus for the provision thereof Patent
[NASA-CASE-XNP-09453] c 08 N71-19420

High voltage transistor circuit Patent
[NASA-CASE-XNP-06937] c 09 N71-19516

Solar cell matrix Patent
[NASA-CASE-XNP-10821] c 03 N71-19545

Electrical switching device Patent
[NASA-CASE-XNP-10037] c 09 N71-19610

Drift compensation circuit for analog to digital converter Patent
[NASA-CASE-XNP-04780] c 08 N71-19687

Roll-up solar array Patent
[NASA-CASE-XNP-10188] c 03 N71-20273

Method and device for determining battery state of charge Patent
[NASA-CASE-XNP-10194] c 03 N71-20407

Soil particles separator, collector and viewer Patent
[NASA-CASE-XNP-09770] c 15 N71-20440

Transmission line thermal short Patent
[NASA-CASE-XNP-09775] c 09 N71-20445

Synchronous servo loop control system Patent
[NASA-CASE-XNP-03744] c 10 N71-20448

Processing for producing a sterilized instrument Patent
[NASA-CASE-XNP-09763] c 14 N71-20461

Signal-to-noise ratio estimating by taking ratio of mean and standard deviation of integrated signal samples Patent
[NASA-CASE-XNP-05254] c 07 N71-20791

Elimination of frequency shift in a multiplex communication system Patent
[NASA-CASE-XNP-01306] c 07 N71-20814

High power-high voltage waterload Patent
[NASA-CASE-XNP-05381] c 09 N71-20842

Coaxial cable connector Patent
[NASA-CASE-XNP-04732] c 09 N71-20851

Soldering with solder flux which leaves corrosion resistant coating Patent
[NASA-CASE-XNP-03459] c 15 N71-21078

Miniature stress transducer Patent
[NASA-CASE-XNP-02983] c 14 N71-21091

Holder for crystal resonators Patent
[NASA-CASE-XNP-03637] c 15 N71-21311

Correlation function apparatus Patent
[NASA-CASE-XNP-00746] c 07 N71-21476

Split nut separation system Patent
[NASA-CASE-XNP-06914] c 15 N71-21489

Light position locating system Patent
[NASA-CASE-XNP-01059] c 23 N71-21821

Electron bombardment ion engine Patent
[NASA-CASE-XNP-04124] c 28 N71-21822

Data compressor Patent
[NASA-CASE-XNP-04067] c 08 N71-22707

Error correcting method and apparatus Patent
[NASA-CASE-XNP-02748] c 08 N71-22749

Counter and shift register Patent
[NASA-CASE-XNP-01753] c 08 N71-22897

Function measuring apparatus Patent
[NASA-CASE-XNP-08680] c 14 N71-22995

Hybrid lubrication system and bearing Patent
[NASA-CASE-XNP-01641] c 15 N71-22997

Filler valve Patent
[NASA-CASE-XNP-01747] c 15 N71-23024

Refrigerator apparatus Patent
[NASA-CASE-XNP-08877] c 15 N71-23025

Reduced bandwidth video communication system utilizing sampling techniques Patent
[NASA-CASE-XNP-02791] c 07 N71-23026

Model launcher for wind tunnels Patent
[NASA-CASE-XNP-03578] c 11 N71-23030

Drive circuit utilizing two cores Patent
[NASA-CASE-XNP-01318] c 10 N71-23033

Solar vane actuator Patent
[NASA-CASE-XNP-05535] c 14 N71-23040

Time of flight mass spectrometer with feedback means from the detector to the low source and a specific counter Patent
[NASA-CASE-XNP-01056] c 14 N71-23041

Connector internal force gauge Patent
[NASA-CASE-XNP-03918] c 14 N71-23087

Circulator having quarter wavelength resonant post and parametric amplifier circuits utilizing the same Patent
[NASA-CASE-XNP-02140] c 09 N71-23097

Method of resolving clock synchronization error and means therefor Patent
[NASA-CASE-XNP-08875] c 10 N71-23099

Impact testing machine Patent
[NASA-CASE-XNP-04817] c 14 N71-23225

Zeta potential flowmeter Patent
[NASA-CASE-XNP-06509] c 14 N71-23226

Comparator for the comparison of two binary numbers Patent
[NASA-CASE-XNP-04819] c 08 N71-23295

Decontamination of petroleum products Patent
[NASA-CASE-XNP-03835] c 06 N71-23499

Dicyanoacetylene polymers Patent
[NASA-CASE-XNP-03250] c 06 N71-23500

Indexing microwave switch Patent
[NASA-CASE-XNP-06507] c 09 N71-23548

Millimeter wave radiometer for radio astronomy Patent
[NASA-CASE-XNP-09832] c 30 N71-23723

Radiant energy intensity measurement system Patent
[NASA-CASE-XNP-06510] c 14 N71-23797

High speed phase detector Patent
[NASA-CASE-XNP-01306-2] c 09 N71-24596

Apparatus for testing polymenc materials Patent
[NASA-CASE-XNP-09699] c 06 N71-24607

Digital synchronizer Patent
[NASA-CASE-NPO-10851] c 07 N71-24613

Signal processing apparatus for multiplex transmission Patent
[NASA-CASE-NPO-10388] c 07 N71-24622

Self-testing and repairing computer Patent
[NASA-CASE-NPO-10567] c 08 N71-24633

Serial digital decoder Patent
[NASA-CASE-NPO-10150] c 08 N71-24650

Detentling servomotor Patent
[NASA-CASE-XNP-06936] c 15 N71-24695

Reversible motion drive system Patent
[NASA-CASE-NPO-10173] c 15 N71-24696

Decoder system Patent
[NASA-CASE-NPO-10118] c 07 N71-24741

Television signal processing system Patent
[NASA-CASE-NPO-10140] c 07 N71-24742

Switching circuit Patent
[NASA-CASE-XNP-06505] c 10 N71-24799

Magnetic power switch Patent
[NASA-CASE-NPO-10242] c 09 N71-24803

Remodulator filter Patent
[NASA-CASE-NPO-10198] c 09 N71-24806

Broadband microwave waveguide window Patent
[NASA-CASE-XNP-08880] c 09 N71-24808

Cavity radiometer Patent
[NASA-CASE-XNP-08961] c 14 N71-24809

High-gain, broadband traveling wave maser Patent
[NASA-CASE-NPO-10548] c 16 N71-24831

Fluid containers and resealable septum therefor Patent
[NASA-CASE-NPO-10123] c 15 N71-24835

Temperature telemetric transmitter Patent
[NASA-CASE-NPO-10649] c 07 N71-24840

Tuning arrangement for an electron discharge device or the like Patent
[NASA-CASE-XNP-09771] c 09 N71-24841

Noise limiter Patent
[NASA-CASE-NPO-10169] c 10 N71-24844

Noninterruptable digital counting system Patent
[NASA-CASE-XNP-09759] c 08 N71-24891

Drive circuit for minimizing power consumption in inductive load Patent
[NASA-CASE-NPO-10716] c 09 N71-24892

Space simulator Patent
[NASA-CASE-NPO-10141] c 11 N71-24964

Process for reducing secondary electron emission Patent
[NASA-CASE-XNP-09469] c 24 N71-25555

Minimal logic block encoder Patent
[NASA-CASE-NPO-10595] c 10 N71-25917

Novel polycarboxylic prepolymeric materials and polymers thereof Patent
[NASA-CASE-NPO-10596] c 06 N71-25929

Current steering switch Patent
[NASA-CASE-XNP-08567] c 09 N71-26000

Dual polarity full wave dc motor drive Patent
[NASA-CASE-XNP-07477] c 09 N71-26092

High impact antenna Patent
[NASA-CASE-NPO-10231] c 07 N71-26101

Video communication system and apparatus Patent
[NASA-CASE-XNP-06611] c 07 N71-26102

Parallel generation of the check bits of a PN sequence Patent
[NASA-CASE-XNP-04623] c 10 N71-26103

Phase multiplying electronic scanning system Patent
[NASA-CASE-NPO-10302] c 10 N71-26142

Electron beam tube containing a multiple cathode array employing indexing means for cathode substitution Patent
[NASA-CASE-NPO-10625] c 09 N71-26182

Fluid phase analyzer Patent
[NASA-CASE-NPO-10691] c 14 N71-26199

Variable frequency nuclear magnetic resonance spectrometer Patent
[NASA-CASE-XNP-09830] c 14 N71-26266

Time synchronization system utilizing moon reflected coded signals Patent
[NASA-CASE-NPO-10143] c 10 N71-26326

Broadband stable power multiplier Patent
[NASA-CASE-XNP-10854] c 10 N71-26331

Cascaded complementary pair broadband transistor amplifiers Patent
[NASA-CASE-NPO-10003] c 10 N71-26415

Digital memory in which the driving of each word location is controlled by a switch core Patent
[NASA-CASE-XNP-01466] c 10 N71-26434

Conically shaped cavity radiometer with a dual purpose cone winding Patent
[NASA-CASE-XNP-09701] c 14 N71-26475

Analog signal integration and reconstruction system Patent
[NASA-CASE-NPO-10344] c 10 N71-26544

Rapid sync acquisition system Patent
[NASA-CASE-NPO-10214] c 10 N71-26577

Cryogenic cooling system Patent
[NASA-CASE-NPO-10467] c 23 N71-26654

Vacuum evaporator with electromagnetic ion steering Patent
[NASA-CASE-NPO-10331] c 09 N71-26701

Automated fluid chemical analyzer Patent
[NASA-CASE-XNP-09451] c 06 N71-26754

Material handling device Patent
[NASA-CASE-XNP-09770-3] c 11 N71-27036

Pressure seal Patent
[NASA-CASE-NPO-10796] c 15 N71-27068

Multiducted electromagnetic pump Patent
[NASA-CASE-NPO-10755] c 15 N71-27084

Peak acceleration limiter for vibrational tester Patent
[NASA-CASE-NPO-10556] c 14 N71-27185

Thin film capacitive bolometer and temperature sensor Patent
[NASA-CASE-NPO-10607] c 09 N71-27232

Black body cavity radiometer Patent
[NASA-CASE-NPO-10810] c 14 N71-27323

Video signal enhancement system with dynamic range compression and modulation index expansion Patent
[NASA-CASE-NPO-10343] c 07 N71-27341

Force-balanced, throttle valve Patent
[NASA-CASE-NPO-10808] c 15 N71-27432

Cavity emitter for thermionic converter Patent
[NASA-CASE-NPO-10412] c 09 N71-28421

Frictionless universal joint Patent
[NASA-CASE-NPO-10646] c 15 N71-28467

Epoxy-aziridine polymer product Patent
[NASA-CASE-NPO-10701] c 06 N71-28620

Fluid impervious barrier including liquid metal alloy and method of making same Patent
[NASA-CASE-XNP-08881] c 17 N71-28747

Wind tunnel microphone structure Patent
[NASA-CASE-XNP-00250] c 11 N71-28779

Trialkyl-dihalotantalum and niobium compounds Patent
[NASA-CASE-XNP-04023] c 06 N71-28808

Digital memory sense amplifying means Patent
[NASA-CASE-XNP-01012] c 08 N71-28925

Digital filter for reducing sampling jitter in digital control systems Patent
[NASA-CASE-NPO-11088] c 08 N71-29034

Method and apparatus for aligning a laser beam projector Patent
[NASA-CASE-NPO-11087] c 23 N71-29125

Rotable accurate reflector system for telescopes Patent
[NASA-CASE-NPO-10468] c 23 N71-33229

Encoder/decoder system for a rapidly synchronizable binary code Patent
[NASA-CASE-NPO-10342] c 10 N71-33407

High power microwave power divider Patent
[NASA-CASE-NPO-11031] c 07 N71-33606

A dc servosystem including an ac motor Patent
[NASA-CASE-NPO-10700] c 07 N71-33613

Solar cell matrix
[NASA-CASE-NPO-11190] c 03 N71-34044

Manually actuated heat pump
[NASA-CASE-NPO-10677] c 05 N71-11084

Virtual wall slot circularly polarized planar array antenna
[NASA-CASE-NPO-10301] c 07 N71-11148

System for controlling the operation of a variable signal device
[NASA-CASE-NPO-11064] c 07 N71-11150

Method and apparatus for data compression by a decreasing slope threshold test
[NASA-CASE-NPO-10769] c 08 N71-11171

Apparatus for remote measurement of displacement of marks on a specimen undergoing a tensile test
[NASA-CASE-NPO-10778] c 14 N71-11364

Vibration isolation system using compression springs
[NASA-CASE-NPO-11012] c 15 N71-11391

Feed system for an ion thruster
[NASA-CASE-NPO-10737] c 28 N71-11709

Thermostatic actuator
[NASA-CASE-NPO-10637] c 15 N71-12409

High voltage transistor amplifier with constant current load
[NASA-CASE-NPO-11023] c 09 N71-17155

Reference voltage switching unit
[NASA-CASE-NPO-11253] c 09 N71-17157

Valving device for automatic refilling in cryogenic liquid systems
[NASA-CASE-NPO-11177] c 15 N72-17453

Expandable support means
[NASA-CASE-NPO-11059] c 15 N72-17454

Breakaway connector
[NASA-CASE-NPO-11140] c 15 N72-17455

Modular encoder
[NASA-CASE-NPO-10629] c 08 N72-18184

Transition tracking bit synchronization system
[NASA-CASE-NPO-10844] c 07 N72-20140

Data compression system
[NASA-CASE-NPO-11243] c 07 N72-20154

Digital quasi-exponential function generator
[NASA-CASE-NPO-11130] c 08 N72-20176

Method and apparatus for high resolution spectral analysis
[NASA-CASE-NPO-10748] c 08 N72-20177

Flow rate switch
[NASA-CASE-NPO-10722] c 09 N72-20199

Electrical connector
[NASA-CASE-NPO-10694] c 09 N72-20200

Wide band doubler and sine wave quadrature generator
[NASA-CASE-NPO-11133] c 10 N72-20223

Signal phase estimator
[NASA-CASE-NPO-11203] c 10 N72-20224

Optimal control system for an electric motor driven vehicle
[NASA-CASE-NPO-11210] c 11 N72-20244

Impact energy absorbing system utilizing fractureable material
[NASA-CASE-NPO-10671] c 15 N72-20443

Torsional disconnect unit
[NASA-CASE-NPO-10704] c 15 N72-20445

Solid propellant rocket motor
[NASA-CASE-XNP-03282] c 28 N72-20758

Shell side liquid metal boiler
[NASA-CASE-NPO-10831] c 33 N72-20915

Method and apparatus for mapping planets
[NASA-CASE-NPO-11001] c 07 N72-21118

Current steering commutator
[NASA-CASE-NPO-10743] c 08 N72-21199

Automated equipotential plotter
[NASA-CASE-NPO-11134] c 09 N72-21246

Pressure transducer
[NASA-CASE-NPO-10832] c 14 N72-21405

Positioning mechanism
[NASA-CASE-NPO-10679] c 15 N72-21462

Solid state matrices
[NASA-CASE-NPO-10591] c 03 N72-22041

Solar cell panels with light transmitting plate
[NASA-CASE-NPO-10747] c 03 N72-22042

Data multiplexer using tree switching configuration
[NASA-CASE-NPO-11333] c 08 N72-22162

System for quantizing graphic displays
[NASA-CASE-NPO-10745] c 08 N72-22164

Digital function generator
[NASA-CASE-NPO-11104] c 08 N72-22165

Analog-to-digital converter analyzing system
[NASA-CASE-NPO-10560] c 08 N72-22166

Feedback shift register with states decomposed into cycles of equal length
[NASA-CASE-NPO-11082] c 08 N72-22167

Self-obturbating, gas operated launcher
[NASA-CASE-NPO-11013] c 11 N72-22247

Optical binocular scanning apparatus
[NASA-CASE-NPO-11002] c 14 N72-22441

Ionene membrane separator
[NASA-CASE-NPO-11091] c 18 N72-22567

Deployable solar cell array
[NASA-CASE-NPO-10883] c 31 N72-22874

Thermal to electrical power conversion system with solid-state switches with Seebeck effect compensation
[NASA-CASE-NPO-11388] c 03 N72-23048

Optical frequency waveguide and transmission system
[NASA-CASE-HQN-10541-3] c 23 N72-23695

Biopropellant injector
[NASA-CASE-XNP-09461] c 28 N72-23809

Solid propellant rocket motor nozzle
[NASA-CASE-NPO-11458] c 28 N72-23810

Analysis of hydrogen-deuterium mixtures
[NASA-CASE-NPO-11322] c 06 N72-25146

Flexible computer accessed telemetry
[NASA-CASE-NPO-11358] c 07 N72-25172

Multi-purpose antenna employing dish reflector with plural coaxial horn feeds
[NASA-CASE-NPO-11264] c 07 N72-25174

Communications link for computers
[NASA-CASE-NPO-11161] c 08 N72-25207

Method and apparatus for frequency-division multiplex communications by digital phase shift of carrier
[NASA-CASE-NPO-11338] c 08 N72-25208

Binary coded sequential acquisition ranging system
[NASA-CASE-NPO-11194] c 08 N72-25209

MOD 2 sequential function generator for multibit binary sequence		
[NASA-CASE-NPO-10636]	c 08	N72-25210
Digital video display system using cathode ray tube		
[NASA-CASE-NPO-11342]	c 09	N72-25248
Inverter oscillator with voltage feedback		
[NASA-CASE-NPO-10760]	c 09	N72-25254
Thermal motor		
[NASA-CASE-NPO-11283]	c 09	N72-25260
Two phase flow system with discrete impinging two-phase jets		
[NASA-CASE-NPO-11556]	c 12	N72-25292
Atmospheric sampling devices		
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[NASA-CASE-NPO-11311]	c 14	N72-25411
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[NASA-CASE-NPO-11095]	c 15	N72-25455
Ball screw linear actuator		
[NASA-CASE-NPO-11222]	c 15	N72-25456
Helium refrigerator and method for decontaminating the refrigerator		
[NASA-CASE-NPO-10634]	c 23	N72-25619
Uninsulated ir-core thermionic diode		
[NASA-CASE-NPO-10542]	c 09	N72-27228
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[NASA-CASE-NPO-11147]	c 14	N72-27408
Light direction sensor		
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Adjustable support		
[NASA-CASE-NPO-10721]	c 15	N72-27484
Method for controlling vapor content of a gas		
[NASA-CASE-NPO-10633]	c 03	N72-28025
Maser for frequencies in the 7-20 GHz range		
[NASA-CASE-NPO-11437]	c 16	N72-28521
Thin film temperature sensor and method of making same		
[NASA-CASE-NPO-11775]	c 26	N72-28761
Circularly polarized antenna		
[NASA-CASE-ERC-10214]	c 09	N72-31235
Singly-curved reflector for use in high-gain antennas		
[NASA-CASE-NPO-11361]	c 07	N72-32169
Digital slope threshold data compressor		
[NASA-CASE-NPO-11630]	c 08	N72-33172
Continuously variable voltage controlled phase shifter		
[NASA-CASE-NPO-11129]	c 09	N72-33204
Pseudonoise sequence generators with three tap linear feedback shift registers		
[NASA-CASE-NPO-11406]	c 08	N73-12175
Versatile arithmetic unit for high speed sequential decoder		
[NASA-CASE-NPO-11371]	c 08	N73-12177
Dual frequency microwave reflex feed		
[NASA-CASE-NPO-13091-1]	c 09	N73-12214
Audio system with means for reducing noise effects		
[NASA-CASE-NPO-11631]	c 10	N73-12244
Interferometer-polarimeter		
[NASA-CASE-NPO-11239]	c 14	N73-12446
Irradiance measuring device		
[NASA-CASE-NPO-11493]	c 14	N73-12447
Program for computer aided reliability estimation		
[NASA-CASE-NPO-13088-1]	c 15	N73-12495
Apparatus for deriving synchronizing pulses from pulses in a single channel PCM communications system		
[NASA-CASE-NPO-11302-1]	c 07	N73-13149
Rotary vane attenuator when rotor has orthogonally disposed resistive and dielectric cards		
[NASA-CASE-NPO-11418-1]	c 14	N73-13420
Gas flow control device		
[NASA-CASE-NPO-11479]	c 15	N73-13462
Electrolytic gas operated actuator		
[NASA-CASE-NPO-11369]	c 15	N73-13467
Dual purpose momentum wheels for spacecraft with magnetic recording		
[NASA-CASE-NPO-11481]	c 21	N73-13644
Multiple reflection conical microwave antenna		
[NASA-CASE-NPO-11661]	c 07	N73-14130
Cyclically operable optical shutter		
[NASA-CASE-NPO-10758]	c 14	N73-14427
Heat detection and compositions and devices therefor		
[NASA-CASE-NPO-10764-1]	c 14	N73-14428
Parallel-plate viscometer with double diaphragm suspension		
[NASA-CASE-NPO-11387]	c 14	N73-14429
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[NASA-CASE-NPO-11868]	c 10	N73-20254
Apparatus for recovering matter adhered to a host surface		
[NASA-CASE-NPO-11213]	c 15	N73-20514
Scan converting video tape recorder		
[NASA-CASE-NPO-10166-1]	c 07	N73-22076
Collapsible structure for an antenna reflector		
[NASA-CASE-NPO-11751]	c 07	N73-24176
Pump for delivering heated fluids		
[NASA-CASE-NPO-11417]	c 15	N73-24513
Ion thruster with a combination keeper electrode and electron baffle		
[NASA-CASE-NPO-11880]	c 28	N73-24783
Solid propellant rocket motor		
[NASA-CASE-NPO-11559]	c 28	N73-24784
Code regenerative clean-up loop transponder for a mu-type ranging system		
[NASA-CASE-NPO-11707]	c 07	N73-25161
Numerical computer peripheral interactive device with manual controls		
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Radiant source tracker independent of nonconstant irradiance		
[NASA-CASE-NPO-11686]	c 14	N73-25462
Two carrier communication system with single transmitter		
[NASA-CASE-NPO-11548]	c 07	N73-26118
High pulse rate high resolution optical radar system		
[NASA-CASE-NPO-11426]	c 07	N73-26119
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[NASA-CASE-NPO-11821-1]	c 08	N73-26175
Automated attendance accounting system		
[NASA-CASE-NPO-11456]	c 08	N73-26176
Low phase noise digital frequency divider		
[NASA-CASE-NPO-11569]	c 10	N73-26229
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[NASA-CASE-NPO-11366]	c 11	N73-26238
Temperature control system with a pulse width modulated bridge		
[NASA-CASE-NPO-11304]	c 14	N73-26430
Disconnect unit		
[NASA-CASE-NPO-11330]	c 33	N73-26958
Filter for third order phase locked loops		
[NASA-CASE-NPO-11941-1]	c 10	N73-27171
Receiver with an improved phase lock loop in a multichannel telemetry system with suppressed carrier		
[NASA-CASE-NPO-11593-1]	c 07	N73-28012
Analog-to-digital converter		
[NASA-CASE-XNP-04077]	c 08	N73-28045
Pseudonoise (PN) synchronization of data system with demodulation of clock frequency from received signal for clocking receiver PN generator		
[NASA-CASE-XNP-03623]	c 09	N73-28084
Apparatus and method for measuring the Seebeck coefficient and resistivity of materials		
[NASA-CASE-NPO-11749]	c 14	N73-28486
Dual purpose optical instrument capable of simultaneously acting as spectrometer and diffractometer		
[NASA-CASE-XNP-05231]	c 14	N73-28491
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[NASA-CASE-MSC-14331-2] c 27 N78-17213

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[NASA-CASE-MSC-14331-3] c 27 N78-32262

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[NASA-CASE-MSC-18382-1] c 27 N82-16238

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[NASA-CASE-MSC-18382-2] c 27 N82-24344

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[NASA-CASE-MSC-12293-1] c 14 N72-27411

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[NASA-CASE-MSC-14065-1] c 32 N74-26654

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[NASA-CASE-MSC-14066-1] c 33 N74-27705

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[NASA-CASE-MSC-14070-1] c 32 N74-32598

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[NASA-CASE-MSC-14130-1] c 33 N74-32711

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[NASA-CASE-MSC-14129-1] c 33 N75-18479

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[NASA-CASE-MSC-14131-1] c 33 N75-19515

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[NASA-CASE-MSC-14558-1] c 32 N75-21486

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[NASA-CASE-MSC-14557-1] c 32 N76-16249

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[NASA-CASE-MSC-14683-1] c 74 N77-18893

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[NASA-CASE-MSC-14939-1] c 32 N79-11264

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[NASA-CASE-MSC-16461-1] c 33 N79-11313

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[NASA-CASE-MSC-18334-1] c 32 N80-32604

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[NASA-CASE-XNP-09802] c 33 N71-15641

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[NASA-CASE-MSC-14270-1] c 27 N76-22377

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[NASA-CASE-MFS-22073-1] c 33 N75-13139
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[NASA-CASE-LAR-11237-1] c 35 N75-19612
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[NASA-CASE-MFS-22189-1] c 35 N75-19615
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[NASA-CASE-NPO-12122-1] c 24 N76-14203
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[NASA-CASE-XMF-08665] c 10 N71-19467
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[NASA-CASE-NPO-11948-1] c 33 N74-32712

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[NASA-CASE-GSC-11296-1] c 23 N73-30666

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[NASA-CASE-LAR-11027-1] c 35 N74-18088

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[NASA-CASE-MFS-22040-1] c 35 N74-26946

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[NASA-CASE-MFS-22343-1] c 33 N74-34638

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[NASA-CASE-ARC-10469-1] c 25 N75-12086

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[NASA-CASE-ARC-10643-1] c 25 N75-12087

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[NASA-CASE-ARC-10448-2] c 74 N75-12732

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[NASA-CASE-GSC-11746-1] c 36 N75-19654

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[NASA-CASE-MFS-22758-1] c 70 N75-26789

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[NASA-CASE-GSC-11829-1] c 35 N75-27331

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[NASA-CASE-MFS-22342-1] c 33 N75-30428

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[NASA-CASE-MFS-22287-1] c 75 N76-14931

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[NASA-CASE-GSC-11892-1] c 35 N76-15433

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[NASA-CASE-ARC-10816-1] c 35 N76-24525

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[NASA-CASE-ARC-10448-3] c 35 N77-14408

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[NASA-CASE-ARC-10900-1] c 35 N77-24454

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[NASA-CASE-GSC-11571-1] c 36 N77-25499

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[NASA-CASE-MFS-22926-1] c 24 N77-27187

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[NASA-CASE-GSC-12083-1] c 73 N78-32848

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[NASA-CASE-ERC-10226-1] c 14 N73-16483

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[NASA-CASE-HQN-10542-1] c 74 N75-25706

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[NASA-CASE-HQN-10931-2] c 27 N82-29452

Non-toxic invert analog glass compositions of high modulus
[NASA-CASE-HQN-10328-2] c 27 N82-29454

High modulus rare earth and beryllium containing silicate glass compositions
[NASA-CASE-HQN-10595-1] c 27 N82-29455

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Densitometer Patent
[NASA-CASE-XLE-00688] c 14 N70-41330

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Determining distance to lightning strokes from a single station
[NASA-CASE-KSC-10698] c 07 N73-20175

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Gauge calibration by diffusion
[NASA-CASE-XGS-07752] c 14 N73-30390

Ultrahigh vacuum measuring ionization gauge
[NASA-CASE-XLA-05087] c 14 N73-30391

Apparatus for absolute pressure measurement
[NASA-CASE-LAR-10000] c 14 N73-30394

Ultrahigh vacuum gauge having two collector electrodes
[NASA-CASE-LAR-02743] c 14 N73-32324

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[NASA-CASE-XNP-10007-1] c 46 N74-23068

Rock sampling
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Laser apparatus
[NASA-CASE-GSC-12237-1] c 36 N80-14384

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Determination of antimicrobial susceptibilities on infected urines without isolation
[NASA-CASE-GSC-12046-1] c 52 N79-14750

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Method of joining aluminum to stainless steel Patent
[NASA-CASE-MFS-07369] c 15 N71-20443

Propellant mass distribution metering apparatus Patent
[NASA-CASE-NPO-10185] c 10 N71-26339

Safety-type locking pin
[NASA-CASE-LAR-18495] c 15 N72-11385

Hydrogen fire detection system with logic circuit to analyze the spectrum of temporal variations of the optical spectrum
[NASA-CASE-MFS-13130] c 10 N72-17173

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[NASA-CASE-XMS-04318] c 15 N69-27871

Extensible cable support Patent
[NASA-CASE-XMF-07587] c 15 N71-18701

High pressure air valve Patent
[NASA-CASE-MSC-11010] c 15 N71-19485

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[NASA-CASE-XMS-06329-1] c 15 N71-20441

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[NASA-CASE-XNP-03853] c 23 N71-21882

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[NASA-CASE-XNP-03063] c 17 N71-23365

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[NASA-CASE-XFR-07172] c 05 N71-27234

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[NASA-CASE-XGS-01143] c 31 N71-15647

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[NASA-CASE-XMS-03613] c 31 N71-16346

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[NASA-CASE-XMF-09422] c 07 N71-19436

High impedance measuring apparatus Patent
[NASA-CASE-XMS-08589-1] c 09 N71-20569

Latching mechanism Patent
[NASA-CASE-XMS-03745] c 15 N71-21076

Tube dimpling tool Patent
[NASA-CASE-XMS-06876] c 15 N71-21536

Positive locking check valve Patent
[NASA-CASE-XMS-09310] c 15 N71-22706

Etching of aluminum for bonding Patent
[NASA-CASE-XMF-02303] c 17 N71-23828

Method and apparatus for varying thermal conductivity Patent
[NASA-CASE-XNP-05524] c 33 N71-24876

Purge device for thrust engines Patent
[NASA-CASE-XMS-04826] c 28 N71-28849

Method and construction for protecting heat sensitive bodies from thermal radiation and convective heat Patent
[NASA-CASE-XNP-01310] c 33 N71-28852

Propellant tank pressurization system Patent
[NASA-CASE-XNP-00650] c 27 N71-28929

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[NASA-CASE-XNP-01855] c 15 N71-28937

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Method and device for cooling Patent
[NASA-CASE-HQN-00938] c 33 N71-29053

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Method and system for respiration analysis Patent
[NASA-CASE-XFR-08403] c 05 N71-11202

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Method and apparatus for detection and location of microleaks Patent
[NASA-CASE-XMF-02307] c 14 N71-10779

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Fluid pressure balanced seal
[NASA-CASE-XGS-01286-1] c 37 N79-33469

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[NASA-CASE-GSC-12582-2] c 37 N83-13460

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[NASA-CASE-MFS-18100] c 15 N72-11390

Observation window for a gas confining chamber
[NASA-CASE-NPO-10890] c 11 N73-12265

Droplet monitoring probe
[NASA-CASE-MSC-10985] c 14 N73-20478

Circuit board package with wedge shaped covers
[NASA-CASE-MFS-21919-1] c 10 N73-25243

Heat flow calorimeter
[NASA-CASE-GSC-11434-1] c 34 N74-27859

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[NASA-CASE-MSC-13047-1] c 31 N71-25434

Latching mechanism Patent
[NASA-CASE-MSC-15474-1] c 15 N71-26162

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[NASA-CASE-XMF-02221] c 18 N71-27170

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[NASA-CASE-MSC-11849-1] c 15 N72-22488

Impact monitoring apparatus
[NASA-CASE-MSC-15626-1] c 14 N72-25411

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[NASA-CASE-MSC-12357] c 15 N73-12489

Self-cycling fluid heater
[NASA-CASE-MSC-15567-1] c 33 N73-16918

Phase protection system for ac power lines
[NASA-CASE-MSC-17832-1] c 33 N74-14956

Apparatus for remote handling of materials
[NASA-CASE-LAR-10634-1] c 37 N74-18123

Grain refinement control in TIG arc welding
[NASA-CASE-MSC-19095-1] c 37 N75-19683

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Apparatus for testing wiring harness by vibration generating means
[NASA-CASE-MSC-15158-1] c 14 N72-17325

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Tactile sensing means for prosthetic limbs
[NASA-CASE-MFS-16570-1] c 05 N73-32013

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[NASA-CASE-LAR-10894-1] c 18 N73-14584

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[NASA-CASE-LAR-11902-1] c 27 N78-17206

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Folding structure fabricated of rigid panels
[NASA-CASE-XHO-02146] c 18 N75-27040

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[NASA-CASE-GSC-12824-1] c 35 N83-13424

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Method of evaluating moisture barrier properties of encapsulating materials Patent
[NASA-CASE-NPO-10051] c 18 N71-24934

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Flexible conductive disc electrode Patent
[NASA-CASE-FRC-10029] c 09 N71-24618

Gas low pressure low flow rate metering system Patent
[NASA-CASE-FRC-10022] c 12 N71-26546

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[NASA-CASE-FRC-10038] c 15 N72-20444

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Synthesis of polymeric schiff bases by schiff-base exchange reactions Patent
[NASA-CASE-XMF-08651] c 06 N71-11236

Direct synthesis of polymeric schiff bases from two amines and two aldehydes Patent
[NASA-CASE-XMF-08655] c 06 N71-11239

Azine polymers and process for preparing the same Patent
[NASA-CASE-XMF-08656] c 06 N71-11242

Synthesis of polymeric schiff bases by reaction of acetals and amine compounds Patent
[NASA-CASE-XMF-08652] c 06 N71-11243

Aromatic diamine-aromatic dialdehyde high molecular weight schiff base polymers prepared in a monofunctional schiff base Patent
[NASA-CASE-XMF-03074] c 06 N71-24740

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Nonmagnetic thermal motor for a magnetometer
[NASA-CASE-XAR-03786] c 09 N69-21313

Balanced bellows spirometer
[NASA-CASE-XAR-01547] c 05 N69-21473

Cryogenic apparatus for measuring the intensity of magnetic fields
[NASA-CASE-XAC-02407] c 14 N69-27423

Variable stiffness polymers damper
[NASA-CASE-XAC-11225] c 14 N69-27486

Shock-layer radiation measurement
[NASA-CASE-XAC-02970] c 14 N69-39896

Protective circuit of the spark gap type
[NASA-CASE-XAC-08981] c 09 N69-39897

Apparatus for coupling a plurality of ungrounded circuits to a grounded circuit Patent
[NASA-CASE-XAC-00086] c 09 N70-33182

Two-plane balance Patent
[NASA-CASE-XAC-00073] c 14 N70-34813

Centrifuge mounted motion simulator Patent
[NASA-CASE-XAC-00399] c 11 N70-34815

Differential pressure cell Patent
[NASA-CASE-XAC-00042] c 14 N70-34816

High-temperature, high-pressure spherical segment valve Patent
[NASA-CASE-XAC-00074] c 15 N70-34817

Magnetically centered liquid column float Patent
[NASA-CASE-XAC-00030] c 14 N70-34820

Propeller blade loading control Patent
[NASA-CASE-XAC-00139] c 02 N70-34856

Temperature compensated solid state differential amplifier Patent
[NASA-CASE-XAC-00435] c 09 N70-35440

High speed low level electrical stepping switch Patent
[NASA-CASE-XAC-00060] c 09 N70-39915

Analog-to-digital conversion system Patent
[NASA-CASE-XAC-00404] c 08 N70-40125

Null-type vacuum microbalance Patent
[NASA-CASE-XAC-00472] c 15 N70-40180

Thermo-protective device for balances Patent
[NASA-CASE-XAC-00648] c 14 N70-40400

Three-axis controller Patent
[NASA-CASE-XAC-01404] c 05 N70-41581

Electric arc device for heating gases Patent
[NASA-CASE-XAC-00319] c 25 N70-41628

Dynamic sensor Patent
[NASA-CASE-XAC-02877] c 14 N70-41681

Universal pilot restraint suit and body support therefor Patent
[NASA-CASE-XAC-00405] c 05 N70-41819

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[NASA-CASE-XAC-03392] c 03 N70-41954

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[NASA-CASE-XAC-01101] c 14 N70-41957

Electrode construction Patent
[NASA-CASE-ARC-10043-1] c 05 N71-11193

Telemeter adaptable for implanting in an animal Patent
[NASA-CASE-XAC-05706] c 05 N71-12342

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Ultraviolet resonance lamp Patent
[NASA-CASE-ARC-10030] c 09 N71-12521

Differential temperature transducer Patent
[NASA-CASE-XAC-00812] c 14 N71-15598

Multiple circuit switch apparatus with improved pivot actuator structure Patent
[NASA-CASE-XAC-03777] c 10 N71-15909

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[NASA-CASE-XAC-08494] c 30 N71-15990

High efficiency multivibrator Patent
[NASA-CASE-XAC-00942] c 10 N71-16042

Apparatus for measuring conductivity and velocity of plasma utilizing a plurality of sensing coils positioned in the plasma Patent
[NASA-CASE-XAC-05695] c 25 N71-16073

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[NASA-CASE-XAC-02058] c 02 N71-16087

Three-axis finger tip controller for switches Patent
[NASA-CASE-XAC-02405] c 09 N71-16089

Electrostatic charged particle analyzer having deflection members shaped according to the periodic voltage applied thereto Patent
[NASA-CASE-XAC-05506-1] c 24 N71-16095

Inertial reference apparatus Patent
[NASA-CASE-XAC-03107] c 23 N71-16098

Fastener apparatus Patent
[NASA-CASE-ARC-10140-1] c 15 N71-17653

Stabilization of gravity oriented satellites Patent
[NASA-CASE-XAC-01591] c 31 N71-17729

Microwave flaw detector Patent
[NASA-CASE-ARC-10009-1] c 15 N71-17822

Hypervelocity gun Patent
[NASA-CASE-XAC-05902] c 11 N71-18578

Nonlinear analog-to-digital converter Patent
[NASA-CASE-XAC-04031] c 08 N71-18594

Demodulation system Patent
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Phase quadrature-plural channel data transmission system Patent
[NASA-CASE-XAC-06302] c 08 N71-19763

Two force component measuring device Patent
[NASA-CASE-XAC-04886-1] c 14 N71-20439

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[NASA-CASE-XAC-08972] c 02 N71-20570

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[NASA-CASE-XAC-01677] c 09 N71-20816

Inertia diaphragm pressure transducer Patent
[NASA-CASE-XAC-02981] c 14 N71-21072

Stirring apparatus for plural test tubes Patent
[NASA-CASE-XAC-06956] c 15 N71-21177

Exposure system for animals Patent
[NASA-CASE-XAC-05333] c 11 N71-22875

Vibrating element electrometer with output signal magnified over input signal by a function of the mechanical Q of the vibrating element Patent
[NASA-CASE-XAC-02807] c 09 N71-23021

Hall current measuring apparatus having a series resistor for temperature compensation Patent
[NASA-CASE-XAC-01662] c 14 N71-23037

Transfer valve Patent
[NASA-CASE-XAC-01158] c 15 N71-23051

Hard space suit Patent
[NASA-CASE-XAC-07043] c 05 N71-23161

Method and apparatus for continuously monitoring blood oxygenation, blood pressure, pulse rate and the pressure pulse curve utilizing an ear oximeter as transducer Patent
[NASA-CASE-XAC-05422] c 04 N71-23185

Feedback integrator with grounded capacitor Patent
[NASA-CASE-XAC-10607] c 10 N71-23669

Floating two force component measuring device Patent
[NASA-CASE-XAC-04885] c 14 N71-23790

Control device Patent
[NASA-CASE-XAC-10019] c 15 N71-23809

Means for suppressing or attenuating bending motion of elastic bodies Patent
[NASA-CASE-XAC-05632] c 32 N71-23971

Device for measuring pressure Patent
[NASA-CASE-XAC-04458] c 14 N71-24232

Transducer circuit and catheter transducer Patent
[NASA-CASE-ARC-10132-1] c 09 N71-24597

Skeletal stressing method and apparatus Patent
[NASA-CASE-ARC-10100-1] c 05 N71-24738

Modified polyurethane foams for fuel-fire Patent
[NASA-CASE-ARC-10098-1] c 06 N71-24739

Deep space monitor communication satellite system Patent
[NASA-CASE-XAC-06029-1] c 31 N71-24813

Laser fluid velocity detector Patent
[NASA-CASE-XAC-10770-1] c 16 N71-24828

Transient video signal recording with expanded playback Patent
[NASA-CASE-ARC-10003-1] c 09 N71-25866

Thermally cycled magnetometer Patent
[NASA-CASE-XAC-03740] c 14 N71-26135

Optical machine tool alignment indicator Patent
[NASA-CASE-XAC-09489-1] c 15 N71-26673

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[NASA-CASE-ARC-10137-1] c 09 N71-28468

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[NASA-CASE-ARC-10153] c 05 N71-28619

Line following servosystem Patent
[NASA-CASE-XAC-00001] c 15 N71-28952

Mechanically limited, electrically operated hydraulic valve system for aircraft controls Patent
[NASA-CASE-XAC-00048] c 02 N71-29128

Precision rectifier with FET switching means Patent
[NASA-CASE-ARC-10101-1] c 09 N71-33109

Solar cell Patent
[NASA-CASE-ARC-10050] c 03 N71-33409

Phase shift circuit apparatus
[NASA-CASE-ARC-10269-1] c 10 N72-16172

High intensity radiant energy pulse source having means for opening shutter when light flux has reached a desired level
[NASA-CASE-ARC-10178-1] c 09 N72-17152

Telemetry actuated switch
[NASA-CASE-ARC-10105] c 09 N72-17153

Active RC networks
[NASA-CASE-ARC-10020] c 10 N72-17172

Apparatus for automatically stabilizing the attitude of a nonrigid vehicle
[NASA-CASE-ARC-10134] c 30 N72-17873

Flexible fire retardant foam
[NASA-CASE-ARC-10180-1] c 28 N72-20767

Method and apparatus for swept-frequency impedance measurements of welds	[NASA-CASE-ARC-10176-1]	c 15	N72-21464	Intumescent composition, foamed product prepared therewith and process for making same	[NASA-CASE-ARC-10304-2]	c 27	N74-27037	System for measuring Reynolds in a turbulently flowing fluid	[NASA-CASE-ARC-10755-2]	c 34	N76-27517
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Polymeric vehicles as carriers for sulfonic acid salt of nitrosubstituted aromatic amines	[NASA-CASE-ARC-10325]	c 06	N72-25147	Method of preparing water purification membranes	[NASA-CASE-ARC-10643-1]	c 25	N75-12087	Thermistor holder for skin temperature measurements	[NASA-CASE-ARC-10855-1]	c 52	N77-10780
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Interferometric rotation sensor	[NASA-CASE-ARC-10278-1]	c 14	N73-25463	Gas chromatograph injection system	[NASA-CASE-ARC-10344-2]	c 35	N75-26334	Optical instrument employing reticle having preselected visual response pattern formed thereon	[NASA-CASE-ARC-10976-1]	c 74	N77-22950
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[NASA-CASE-XGS-05579] c 31 N71-15676
- Wide range linear fluxgate magnetometer Patent
[NASA-CASE-XGS-01587] c 14 N71-15962
- Low friction magnetic recording tape Patent
[NASA-CASE-XGS-00373] c 23 N71-15978
- Method for etching copper Patent
[NASA-CASE-XGS-06306] c 17 N71-16044
- Bacteriostatic conformal coating and methods of application Patent
[NASA-CASE-GSC-10007] c 18 N71-16046
- Serrodyne frequency converter re-entrant amplifier system Patent
[NASA-CASE-XGS-01022] c 07 N71-16088
- Position location and data collection system and method Patent
[NASA-CASE-GSC-10083-1] c 30 N71-16090
- Position sensing device employing misaligned magnetic field generating and detecting apparatus Patent
[NASA-CASE-XGS-07514] c 23 N71-16099
- Optical tracker having overlapping reticles on parallel axes Patent
[NASA-CASE-XGS-05715] c 23 N71-16100
- Self-erecting reflector Patent
[NASA-CASE-XGS-09190] c 31 N71-16102
- Dust particle injector for hypervelocity accelerators Patent
[NASA-CASE-XGS-06628] c 24 N71-16213
- Ellipsoidal mirror reflectometer including means for averaging the radiation reflected from the sample Patent
[NASA-CASE-XGS-05291] c 23 N71-16341
- Angular position and velocity sensing apparatus Patent
[NASA-CASE-XGS-05680] c 14 N71-17585
- Apparatus for controlling the velocity of an electromechanical drive for interferometers and the like Patent
[NASA-CASE-XGS-03532] c 14 N71-17627
- Omni-directional anisotropic molecular trap Patent
[NASA-CASE-XGS-00783] c 30 N71-17788
- Method of making tubes Patent
[NASA-CASE-XGS-04175] c 15 N71-18579
- Pulse-type magnetic core memory element circuit with blocking oscillator feedback Patent
[NASA-CASE-XGS-03303] c 08 N71-18595
- Ripple add and ripple subtract binary counters Patent
[NASA-CASE-XGS-04766] c 08 N71-18602
- Computing apparatus Patent
[NASA-CASE-XGS-04765] c 08 N71-18693
- Stepping motor control circuit Patent
[NASA-CASE-GSC-10366-1] c 10 N71-18772
- Traffic control system and method Patent
[NASA-CASE-GSC-10087-1] c 02 N71-19287
- Apparatus for measuring current flow Patent
[NASA-CASE-XGS-02439] c 14 N71-19431
- Synchronous counter Patent
[NASA-CASE-XGS-02440] c 08 N71-19432
- Wide range data compression system Patent
[NASA-CASE-XGS-02612] c 08 N71-19435
- Apparatus for computing square roots Patent
[NASA-CASE-XGS-04768] c 08 N71-19437
- Method and apparatus for battery charge control Patent
[NASA-CASE-XGS-05432] c 03 N71-19438
- Stable amplifier having a stable quiescent point Patent
[NASA-CASE-XGS-02812] c 09 N71-19466
- Tracking antenna system Patent
[NASA-CASE-GSC-10553-1] c 07 N71-19854
- Electrochemical coulometer and method of forming same Patent
[NASA-CASE-XGS-05434] c 03 N71-20491
- Display for binary characters Patent
[NASA-CASE-XGS-04987] c 08 N71-20571
- Amplifier clamping circuit for horizon scanner Patent
[NASA-CASE-XGS-01784] c 10 N71-20782
- Diversity receiving system with diversity phase lock Patent
[NASA-CASE-XGS-01222] c 10 N71-20841
- Signal detection and tracking apparatus Patent
[NASA-CASE-XGS-03502] c 10 N71-20852

Polarization diversity monopulse tracking receiver Patent			Voltage to frequency converter Patent			Tungsten contacts on silicon substrates		
[NASA-CASE-XGS-03501]	c 09	N71-20864	[NASA-CASE-GSC-10022-1]	c 10	N71-25882	[NASA-CASE-GSC-10695-1]	c 09	N72-25259
System for recording and reproducing pulse code modulated data Patent			Direct current motor with stationary armature and field Patent			Bacterial contamination monitor		
[NASA-CASE-XGS-01021]	c 08	N71-21042	[NASA-CASE-XGS-05290]	c 09	N71-25999	[NASA-CASE-GSC-10879-1]	c 14	N72-25413
Satellite appendage tie down cord Patent			Buck boost voltage regulation circuit Patent			Honeycomb panels formed of minimal surface periodic tubule layers		
[NASA-CASE-XGS-02554]	c 31	N71-21064	[NASA-CASE-GSC-10735-1]	c 10	N71-26085	[NASA-CASE-ERC-10364]	c 18	N72-25540
Reaction wheel scanner Patent			Adaptive system and method for signal generation Patent			Honeycomb core structures of minimal surface tubule sections		
[NASA-CASE-XGS-02629]	c 14	N71-21082	[NASA-CASE-GSC-11367]	c 10	N71-26374	[NASA-CASE-ERC-10363]	c 18	N72-25541
Nonmagnetic, explosive actuated indexing device Patent			Control apparatus for applying pulses of selectively predetermined duration to a sequence of loads Patent			Gunn-type solid state devices		
[NASA-CASE-XGS-02422]	c 15	N71-21529	[NASA-CASE-XGS-04224]	c 10	N71-26418	[NASA-CASE-XER-07895]	c 26	N72-25679
Bidirectional step torque filter with zero backlash characteristic Patent			Turn on transient limiter Patent			Use of unilluminated solar cells as shunt diodes for a solar array		
[NASA-CASE-XGS-04227]	c 15	N71-21744	[NASA-CASE-GSC-10413]	c 10	N71-26531	[NASA-CASE-GSC-10344-1]	c 03	N72-27053
Conforming polisher for aspheric surface of revolution Patent			Voltage regulator with plural parallel power source sections Patent			Active tuned circuit		
[NASA-CASE-XGS-02884]	c 15	N71-22705	[NASA-CASE-GSC-10891-1]	c 10	N71-26626	[NASA-CASE-GSC-11340-1]	c 10	N72-33230
Precision thrust gage Patent			Method for generating ultra-precise angles Patent			Electric motive machine including magnetic bearing		
[NASA-CASE-XGS-02319]	c 14	N71-22965	[NASA-CASE-XGS-04173]	c 19	N71-26674	[NASA-CASE-XGS-07805]	c 15	N72-33476
Sealing device for an electrochemical cell Patent			Resettable monostable pulse generator Patent			Cosmic dust or other similar outer space particles impact location detector		
[NASA-CASE-XGS-02630]	c 03	N71-22974	[NASA-CASE-GSC-11139]	c 09	N71-27016	[NASA-CASE-GSC-11291-1]	c 25	N72-33696
Rotary bead dropper and selector for testing micrometeorite detectors Patent			Micro-pound extended range thrust stand Patent			Method and apparatus for determining the contents of contained gas samples		
[NASA-CASE-XGS-03304]	c 09	N71-22988	[NASA-CASE-GSC-10710-1]	c 28	N71-27094	[NASA-CASE-GSC-10903-1]	c 14	N73-12444
Moment of inertia test fixture Patent			Synchronous dc direct drive system Patent			System for stabilizing torque between a balloon and gondola		
[NASA-CASE-XGS-01023]	c 14	N71-22992	[NASA-CASE-GSC-10065-1]	c 10	N71-27136	[NASA-CASE-GSC-11077-1]	c 02	N73-13008
Fluid flow meter with comparator reference means Patent			Antenna array at focal plane of reflector with coupling network for beam switching Patent			Diffuse reflective coating		
[NASA-CASE-XGS-01331]	c 14	N71-22996	[NASA-CASE-GSC-10220-1]	c 07	N71-27233	[NASA-CASE-GSC-11214-1]	c 06	N73-13128
Foamed in place ceramic refractory insulating material Patent			Gravity gradient attitude control system Patent			Data processor with conditionally supplied clock signals		
[NASA-CASE-XGS-02435]	c 18	N71-22998	[NASA-CASE-GSC-10555-1]	c 21	N71-27324	[NASA-CASE-GSC-10975-1]	c 08	N73-13187
Digital telemetry system Patent			Segmented superconducting magnet for a broadband traveling wave maser Patent			Apparatus for vibrational testing of articles		
[NASA-CASE-XGS-01812]	c 07	N71-23001	[NASA-CASE-XGS-10518]	c 16	N71-28554	[NASA-CASE-GSC-11302-1]	c 14	N73-13416
Bonded elastomeric seal for electrochemical cells Patent			Millimeter wave antenna system Patent Application			Method and system for ejecting fanning sections from a rocket vehicle		
[NASA-CASE-XGS-02631]	c 03	N71-23006	[NASA-CASE-GSC-10949-1]	c 07	N71-28965	[NASA-CASE-GSC-10590-1]	c 31	N73-14853
Apparatus providing a directive field pattern and attitude sensing of a spin stabilized satellite Patent			Sampled data controller Patent			Plural beam antenna		
[NASA-CASE-XGS-02607]	c 31	N71-23009	[NASA-CASE-GSC-10554-1]	c 08	N71-29033	[NASA-CASE-GSC-11013-1]	c 09	N73-19234
Complementary regenerative switch Patent			Variable digital processor including a register for shifting and rotating bits in either direction Patent			Star tracking reticles and process for the production thereof		
[NASA-CASE-XGS-02751]	c 09	N71-23015	[NASA-CASE-GSC-10186]	c 08	N71-33110	[NASA-CASE-GSC-11188-2]	c 21	N73-19630
Solid state pulse generator with constant output width, for variable input width, in nanosecond range Patent			Combustion products generating and metering device			Delayed simultaneous release mechanism		
[NASA-CASE-XGS-03427]	c 10	N71-23029	[NASA-CASE-GSC-11095-1]	c 14	N72-10375	[NASA-CASE-GSC-10814-1]	c 03	N73-20039
Sidereal frequency generator Patent			Analog spatial maneuver computer			Doppler compensation by shifting transmitted object frequency within limits		
[NASA-CASE-XGS-02610]	c 14	N71-23174	[NASA-CASE-GSC-10880-1]	c 08	N72-11172	[NASA-CASE-GSC-10087-4]	c 07	N73-20174
Solar cell and circuit array and process for nullifying magnetic fields Patent			Helical recorder arrangement for multiple channel recording on both sides of the tape			Signal-to-noise ratio determination circuit		
[NASA-CASE-XGS-03390]	c 03	N71-23187	[NASA-CASE-GSC-10614-1]	c 09	N72-11224	[NASA-CASE-GSC-11239-1]	c 10	N73-25241
Passive synchronized spike generator with high input impedance and low output impedance and capacitor power supply Patent			Method and apparatus for eliminating coherent noise in a coherent energy imaging system without destroying spatial coherence			Nutation damper		
[NASA-CASE-XGS-03632]	c 09	N71-23311	[NASA-CASE-GSC-11133-1]	c 23	N72-11568	[NASA-CASE-GSC-11205-1]	c 15	N73-25513
Sealed electrochemical cell provided with a flexible casing Patent			Position location system and method			Low outgassing polydimethylsiloxane material and preparation thereof		
[NASA-CASE-XGS-01513]	c 03	N71-23336	[NASA-CASE-GSC-10087-3]	c 07	N72-12080	[NASA-CASE-GSC-11358-1]	c 06	N73-26100
Digitally controlled frequency synthesizer Patent			Facsimile video modulation network			Method of detecting and counting bacteria in body fluids		
[NASA-CASE-XGS-02317]	c 09	N71-23525	[NASA-CASE-GSC-10185-1]	c 07	N72-12081	[NASA-CASE-GSC-11092-2]	c 04	N73-27052
Radio frequency coaxial high pass filter Patent			Frangible electrochemical cell			Protein sterilization method of firefly luciferase using reduced pressure and molecular sieves		
[NASA-CASE-XGS-01418]	c 09	N71-23573	[NASA-CASE-XGS-10010]	c 03	N72-15986	[NASA-CASE-GSC-10225-1]	c 06	N73-27086
Apparatus for phase stability determination Patent			Caterpillar micro positioner			Process for making RF shielded cable connector assemblies and the products formed thereby		
[NASA-CASE-XGS-01118]	c 10	N71-23662	[NASA-CASE-GSC-10780-1]	c 14	N72-16283	[NASA-CASE-GSC-11215-1]	c 09	N73-28083
Tape recorder Patent			Minimech self-deploying boom mechanism			Device for determining relative angular position between a spacecraft and a radiation emitting celestial body		
[NASA-CASE-XGS-08259]	c 14	N71-23698	[NASA-CASE-GSC-10566-1]	c 15	N72-18477	[NASA-CASE-GSC-11444-1]	c 14	N73-28490
Balance torque meter Patent			Heated porous plug microthruster			Fastener stretcher		
[NASA-CASE-XGS-01013]	c 14	N71-23725	[NASA-CASE-GSC-10640-1]	c 28	N72-18766	[NASA-CASE-GSC-11149-1]	c 15	N73-30457
Mechanical actuator Patent			Optimum performance spacecraft solar cell system			Spacecraft attitude sensor		
[NASA-CASE-XGS-04548]	c 15	N71-24045	[NASA-CASE-GSC-10669-1]	c 03	N72-20031	[NASA-CASE-GSC-10890-1]	c 21	N73-30640
Selective plating of etched circuits without removing previous plating Patent			Monostable multivibrator			Automatic instrument for chemical processing to detect microorganism in biological samples by measuring light reactions		
[NASA-CASE-XGS-03120]	c 15	N71-24047	[NASA-CASE-GSC-10082-1]	c 10	N72-20221	[NASA-CASE-GSC-11169-2]	c 05	N73-32011
Alkali metal silicate protective coating Patent			Roll alignment detector			Star tracking reticles		
[NASA-CASE-XGS-04799]	c 18	N71-24183	[NASA-CASE-GSC-10514-1]	c 14	N72-20379	[NASA-CASE-GSC-11188-1]	c 14	N73-32320
Strain gauge measuring techniques Patent			Cosmic dust sensor			Peen plating		
[NASA-CASE-XGS-04478]	c 14	N71-24233	[NASA-CASE-GSC-10503-1]	c 14	N72-20381	[NASA-CASE-GSC-11163-1]	c 15	N73-32360
Electromagnetic polarization systems and methods Patent			Solenoid valve including guide for armature and valve member			Recorder/processor apparatus		
[NASA-CASE-GSC-10021-1]	c 09	N71-24595	[NASA-CASE-GSC-10607-1]	c 15	N72-20442	[NASA-CASE-GSC-11553-1]	c 35	N74-15831
Redundant actuating mechanism Patent			Fast response low power drain logic circuits			Method of making porous conductive supports for electrodes		
[NASA-CASE-XGS-08718]	c 15	N71-24600	[NASA-CASE-GSC-10878-1]	c 10	N72-22236	[NASA-CASE-GSC-11367-1]	c 44	N74-19692
Satellite communication system and method Patent			Trap for preventing diffusion pump backstreaming			Formation of star tracking reticles		
[NASA-CASE-GSC-10118-1]	c 07	N71-24621	[NASA-CASE-GSC-10518-1]	c 15	N72-22489	[NASA-CASE-GSC-11188-3]	c 74	N74-20008
Programmable telemetry system Patent			Resistance soldering apparatus			Radiation hardening of MOS devices by boron		
[NASA-CASE-GSC-10131-1]	c 07	N71-24624	[NASA-CASE-GSC-10913]	c 15	N72-22491	[NASA-CASE-GSC-11425-1]	c 76	N74-20329
Coulometer and third electrode battery charging circuit Patent			Optical system support apparatus			Amplitude steered array		
[NASA-CASE-GSC-10487-1]	c 03	N71-24719	[NASA-CASE-XER-07896-2]	c 23	N72-22673	[NASA-CASE-GSC-11446-1]	c 33	N74-20860
Electronic scanning of 2-channel monopulse patterns Patent			SCR lamp driver			Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly		
[NASA-CASE-GSC-10299-1]	c 09	N71-24804	[NASA-CASE-GSC-10221-1]	c 09	N72-23171	[NASA-CASE-GSC-11560-1]	c 33	N74-20861
Annular slit collimator Patent			Potassium silicate zinc coatings			Ultra-stable oscillator with complementary transistors		
[NASA-CASE-GSC-10709-1]	c 28	N71-25213	[NASA-CASE-GSC-10361-1]	c 18	N72-23581			
			Synchronous orbit battery cycler					
			[NASA-CASE-GSC-11211-1]	c 03	N72-25020			
			Flavin coenzyme assay					
			[NASA-CASE-GSC-10565-1]	c 06	N72-25149			
			Location identification system					
			[NASA-CASE-ERC-10324]	c 07	N72-25173			
			A dc to ac dc converter having transistor synchronous rectifiers					
			[NASA-CASE-GSC-11126-1]	c 09	N72-25253			

High efficiency multifrequency feed [NASA-CASE-GSC-11909]	c 32	N74-20863	Fabrication of polycrystalline solar cells on low-cost substrates [NASA-CASE-GSC-12022-1]	c 44	N76-28635	Microwave dichroic plate [NASA-CASE-GSC-12171-1]	c 33	N79-28416
Turnstile slot antenna [NASA-CASE-GSC-11428-1]	c 32	N74-20864	Method of detecting and counting bacteria [NASA-CASE-GSC-11917-2]	c 51	N76-29891	Shock isolator for operating a diode laser on a closed-cycle refrigerator [NASA-CASE-GSC-12297-1]	c 37	N79-28549
Method and apparatus for checking fire detectors [NASA-CASE-GSC-11600-1]	c 35	N74-21019	Polarization compensator for optical communications [NASA-CASE-GSC-11782-1]	c 74	N76-30053	Toggle mechanism for pinching metal tubes [NASA-CASE-GSC-12274-1]	c 37	N79-28550
Long range laser traversing system [NASA-CASE-GSC-11262-1]	c 36	N74-21091	Static coefficient test method and apparatus [NASA-CASE-GSC-11893-1]	c 35	N76-31489	Alkali-metal silicate binders and methods of manufacture [NASA-CASE-GSC-12303-1]	c 24	N79-31347
Method and apparatus for optically monitoring the angular position of a rotating mirror [NASA-CASE-GSC-11353-1]	c 74	N74-21304	Digital plus analog output encoder [NASA-CASE-GSC-12115-1]	c 62	N76-31946	Thermal control canister [NASA-CASE-GSC-12253-1]	c 34	N79-31523
Image tube [NASA-CASE-GSC-11602-1]	c 33	N74-21850	Method and apparatus for neutralizing potentials induced on spacecraft surfaces [NASA-CASE-GSC-11963-1]	c 33	N77-10429	Wedge immersed thermistor bolometers [NASA-CASE-GSC-12145-1]	c 35	N79-33449
Apparatus for controlling the temperature of balloon-borne equipment [NASA-CASE-GSC-11620-1]	c 34	N74-23039	Inrush current limiter [NASA-CASE-GSC-11789-1]	c 33	N77-14333	Bakeable McLeod gauge [NASA-CASE-GSC-12263-1]	c 35	N79-33450
Coaxial anode wire for gas radiation counters [NASA-CASE-GSC-11492-1]	c 35	N74-26949	Linear phase demodulator including a phase locked loop with auxiliary feedback loop [NASA-CASE-GSC-12018-1]	c 33	N77-14334	Fluid pressure balanced seal [NASA-CASE-GSC-12286-1]	c 37	N79-33469
Arterial pulse wave pressure transducer [NASA-CASE-GSC-11531-1]	c 52	N74-27566	Reel safety brake [NASA-CASE-GSC-11960-1]	c 37	N77-14479	Antenna deployment mechanism for use with a spacecraft [NASA-CASE-GSC-12331-1]	c 18	N80-14183
Heat flow calorimeter [NASA-CASE-GSC-11434-1]	c 34	N74-27859	Two-dimensional radiant energy array computers and computing devices [NASA-CASE-GSC-11839-1]	c 60	N77-14751	Laser apparatus [NASA-CASE-GSC-12237-1]	c 36	N80-14384
Air conditioning system and component therefore distributing air flow from opposite directions [NASA-CASE-GSC-11445-1]	c 31	N74-27902	Magnetic bearing system [NASA-CASE-GSC-11978-1]	c 37	N77-17464	Coupling device for moving vehicles [NASA-CASE-GSC-12322-1]	c 37	N80-14398
Passive dual spin misalignment compensators [NASA-CASE-GSC-11479-1]	c 35	N74-28097	Method and apparatus for measuring web material wound on a reel [NASA-CASE-GSC-11902-1]	c 38	N77-17495	Voltage feed through apparatus having reduced partial discharge [NASA-CASE-GSC-12347-1]	c 33	N80-18286
Star scanner [NASA-CASE-GSC-11569-1]	c 89	N74-30886	Cyclical bi-directional rotary actuator [NASA-CASE-GSC-11883-1]	c 37	N77-19458	Distributed-switch Dicke radiometers [NASA-CASE-GSC-12219-1]	c 35	N80-18359
Millimeter wave pumped parametric amplifier [NASA-CASE-GSC-11617-1]	c 33	N74-32660	The 2 deg/90 deg laboratory scattering photometer [NASA-CASE-GSC-12088-1]	c 74	N78-13874	Method and apparatus for slicing crystals [NASA-CASE-GSC-12291-1]	c 76	N80-18951
Structural heat pipe [NASA-CASE-GSC-11619-1]	c 34	N75-12222	Transformer regulated self-stabilizing chopper [NASA-CASE-GSC-09186]	c 33	N78-17295	Diffractoid grating configuration for X-ray and ultraviolet focusing [NASA-CASE-GSC-12357-1]	c 74	N80-21140
Remote platform power conserving system [NASA-CASE-GSC-11182-1]	c 15	N75-13007	Shunt regulation electric power system [NASA-CASE-GSC-10135]	c 33	N78-17296	Automatic thermal switch [NASA-CASE-GSC-12553-1]	c 33	N80-21671
Bonding of sapphire to sapphire by eutectic mixture of aluminum oxide and zirconium oxide [NASA-CASE-GSC-11577-1]	c 37	N75-15992	Binary to binary coded decimal converter [NASA-CASE-GSC-12044-1]	c 60	N78-17691	Active nutation controller [NASA-CASE-GSC-12273-1]	c 35	N80-21719
Magnetic bearing [NASA-CASE-GSC-11079-1]	c 37	N75-18574	Magnifying image intensifier [NASA-CASE-GSC-12010-1]	c 74	N78-18905	Memory-based parallel data output controller [NASA-CASE-GSC-12447-1]	c 60	N80-21987
Dish antenna having switchable beamwidth [NASA-CASE-GSC-11760-1]	c 33	N75-19516	Rapid, quantitative determination of bacteria in water [NASA-CASE-GSC-12158-1]	c 51	N78-22585	Method and apparatus for holding two separate metal pieces together for welding [NASA-CASE-GSC-12318-1]	c 37	N80-23655
X-Y alphanumeric character generator for oscilloscopes [NASA-CASE-GSC-11582-1]	c 33	N75-19517	Energy storage apparatus [NASA-CASE-GSC-12030-1]	c 44	N78-24608	Method of forming a sharp edge on an optical device [NASA-CASE-GSC-12348-1]	c 74	N80-24149
Controllable high voltage source having fast settling time [NASA-CASE-GSC-11844-1]	c 33	N75-19522	Process for utilizing low-cost graphite substrates for polycrystalline solar cells [NASA-CASE-GSC-12022-2]	c 44	N78-24609	JFET oscillator [NASA-CASE-GSC-12555-1]	c 33	N80-26601
Dually mode locked Nd YAG laser [NASA-CASE-GSC-11748-1]	c 36	N75-19654	Actuator mechanism [NASA-CASE-GSC-11883-2]	c 37	N78-31426	Scannable beam forming interferometer antenna array system [NASA-CASE-GSC-12385-1]	c 32	N80-28578
Self-regulating proportionally controlled heating apparatus and technique [NASA-CASE-GSC-11752-1]	c 77	N75-20140	Quadrature demodulation [NASA-CASE-GSC-12137-1]	c 33	N78-32338	Method for milling and drilling glass [NASA-CASE-GSC-12636-1]	c 37	N80-29705
Low speed phase-locked speed control system [NASA-CASE-GSC-11127-1]	c 09	N75-24758	Logarithmic circuit with wide dynamic range [NASA-CASE-GSC-12145-1]	c 33	N78-32339	Apparatus for supplying conditioned air at a substantially constant temperature and humidity [NASA-CASE-GSC-12191-1]	c 31	N80-32583
Modulator for tone and binary signals [NASA-CASE-GSC-11743-1]	c 32	N75-24981	Wide power range microwave feedback controller [NASA-CASE-GSC-12146-1]	c 33	N78-32340	Belt for transmitting power from a cogged driving member to a cogged driven member [NASA-CASE-GSC-12289-1]	c 37	N80-32717
Digital phase-locked loop [NASA-CASE-GSC-11623-1]	c 33	N75-25040	Method and apparatus for splitting a beam of energy [NASA-CASE-GSC-12083-1]	c 73	N78-32848	Method of and apparatus for damping nutation motion with minimum spin axis attitude disturbance [NASA-CASE-GSC-12551-1]	c 18	N81-12156
Radiation hardening of MOS devices by boron [NASA-CASE-GSC-11425-2]	c 76	N75-25730	Time domain phase measuring apparatus [NASA-CASE-GSC-12228-1]	c 33	N79-10338	Interferometric angle monitor [NASA-CASE-GSC-12614-1]	c 35	N81-12386
Correlation type phase detector [NASA-CASE-GSC-11744-1]	c 33	N75-26243	System for and method of freezing biological tissue [NASA-CASE-GSC-12173-1]	c 51	N79-10694	Off-axis coherently pumped laser [NASA-CASE-GSC-12592-1]	c 36	N81-12407
Process for making sheets with parallel pores of uniform size [NASA-CASE-GSC-10984-1]	c 37	N75-26371	Systems and methods for determining radio frequency interference [NASA-CASE-GSC-12150-1]	c 32	N79-11265	System for a displaying at a remote station data generated at a central station and for powering the remote station from the central station [NASA-CASE-GSC-12411-1]	c 33	N81-14221
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Method and apparatus for shock protection Patent
[NASA-CASE-XLA-00482] c 15 N70-36409
Inflatable honeycomb Patent
[NASA-CASE-XLA-00204] c 32 N70-36536
Thermal control of space vehicles Patent
[NASA-CASE-XLA-01291] c 33 N70-36617
Foam generator Patent
[NASA-CASE-XLA-00838] c 03 N70-36778
Parachute glider Patent
[NASA-CASE-XLA-00898] c 02 N70-36804
Production of high purity silicon carbide Patent
[NASA-CASE-XLA-00158] c 26 N70-36805
Airplane take-off performance indicator Patent
[NASA-CASE-XLA-00100] c 14 N70-36807
Aerodynamic measuring device Patent
[NASA-CASE-XLA-00481] c 14 N70-36824
Aircraft wheel spray drag alleviator Patent
[NASA-CASE-XLA-01583] c 02 N70-36825
Attitude orientation of spin-stabilized space vehicles Patent
[NASA-CASE-XLA-00281] c 21 N70-36943
Continuously operating induction plasma accelerator Patent
[NASA-CASE-XLA-01354] c 25 N70-36946
Check valve assembly for a probe Patent
[NASA-CASE-XLA-00128] c 15 N70-37925
Space capsule Patent
[NASA-CASE-XLA-00149] c 31 N70-37938
Sandwich panel construction Patent
[NASA-CASE-XLA-00349] c 33 N70-37979
Reflector space satellite Patent
[NASA-CASE-XLA-00138] c 31 N70-37981
Variable-geometry winged reentry vehicle Patent
[NASA-CASE-XLA-00241] c 31 N70-37986
Vehicle parachute and equipment jettison system Patent
[NASA-CASE-XLA-00195] c 02 N70-38009
Landing arrangement for aerospace vehicle Patent
[NASA-CASE-XLA-00805] c 31 N70-38010
Antenna system using parasitic elements and two driven elements at 90 deg angle fed 180 deg out of phase Patent
[NASA-CASE-XLA-00414] c 07 N70-38200
Despin weight release Patent
[NASA-CASE-XLA-00679] c 15 N70-38601
Manned space station Patent
[NASA-CASE-XLA-00258] c 31 N70-38676
Missile stage separation indicator and stage initiator Patent
[NASA-CASE-XLA-00791] c 03 N70-39930
Apparatus for producing high purity silicon carbide crystals Patent
[NASA-CASE-XLA-02057] c 26 N70-40015
Miniature vibration isolator Patent
[NASA-CASE-XLA-01019] c 15 N70-40156
Aircraft instrument Patent
[NASA-CASE-XLA-00487] c 14 N70-40157
Radiation direction detector including means for compensating for photocell aging Patent
[NASA-CASE-XLA-00183] c 14 N70-40239
Passive communication satellite Patent
[NASA-CASE-XLA-00210] c 30 N70-40309
Electrostatic plasma modulator for space vehicle re-entry communication Patent
[NASA-CASE-XLA-01400] c 07 N70-41331
Micrometeoroid velocity measuring device Patent
[NASA-CASE-XLA-00495] c 14 N70-41332
Method of obtaining permanent record of surface flow phenomena Patent
[NASA-CASE-XLA-01353] c 14 N70-41366
Means for communicating through a layer of ionized gases Patent
[NASA-CASE-XLA-01127] c 07 N70-41372
Quick release separation mechanism Patent
[NASA-CASE-XLA-01441] c 15 N70-41679
Flexible wing deployment device Patent
[NASA-CASE-XLA-01220] c 02 N70-41863
Self-sealing, unbonded, rocket motor nozzle closure Patent
[NASA-CASE-XLA-02651] c 28 N70-41967
Fatigue testing device Patent
[NASA-CASE-XLA-02131] c 32 N70-42003
Techniques for insulating cryogenic fuel containers Patent
[NASA-CASE-XLA-01967] c 31 N70-42015
Double hinged flap Patent
[NASA-CASE-XLA-01290] c 02 N70-42016
Spacecraft separation system for spinning vehicles and/or payloads Patent
[NASA-CASE-XLA-02132] c 31 N71-10582

Method for molding compounds Patent [NASA-CASE-XLA-01091] c 15 N71-10672	Hypersonic test facility Patent [NASA-CASE-XLA-00378] c 11 N71-15925	Nacelle afterbody for jet engines Patent [NASA-CASE-XLA-10450] c 28 N71-21493
Automatic force measuring system Patent [NASA-CASE-XLA-02605] c 14 N71-10773	Test unit free-flight suspension system Patent [NASA-CASE-XLA-00939] c 11 N71-15926	Canister closing device Patent [NASA-CASE-XLA-01446] c 15 N71-21528
Gas analyzer for bi-gaseous mixtures Patent [NASA-CASE-XLA-01131] c 14 N71-10774	Reduced gravity simulator Patent [NASA-CASE-XLA-01787] c 11 N71-16028	Ablation sensor Patent [NASA-CASE-XLA-01794] c 33 N71-21586
Multiple input radio receiver Patent [NASA-CASE-XLA-00901] c 07 N71-10775	Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent [NASA-CASE-XLA-00284] c 15 N71-16075	Self-repeating plasma generator having communicating annular and linear arc discharge passages Patent [NASA-CASE-XLA-03103] c 25 N71-21693
Rotating space station simulator Patent [NASA-CASE-XLA-03127] c 11 N71-10776	Method of coating carbonaceous base to prevent oxidation destruction and coated base Patent [NASA-CASE-XLA-00302] c 15 N71-16077	Attitude control and damping system for spacecraft Patent [NASA-CASE-XLA-02551] c 21 N71-21708
Composite powerplant and shroud therefor Patent [NASA-CASE-XLA-01043] c 28 N71-10780	Separator Patent [NASA-CASE-XLA-00415] c 15 N71-16079	Method of making inflatable honeycomb Patent [NASA-CASE-XLA-03492] c 15 N71-22713
All-directional fastener Patent [NASA-CASE-XLA-01807] c 15 N71-10799	Omnidirectional multiple impact landing system Patent [NASA-CASE-XLA-09881] c 31 N71-16085	Lunar penetrometer Patent [NASA-CASE-XLA-00934] c 14 N71-22765
Hot air balloon deceleration and recovery system Patent [NASA-CASE-XLA-06824-2] c 02 N71-11037	Flexible ring slosh damping baffle Patent [NASA-CASE-XLA-10317-1] c 32 N71-16103	Thermal control wall panel Patent [NASA-CASE-XLA-01243] c 33 N71-22792
Control for flexible parawing Patent [NASA-CASE-XLA-06958] c 02 N71-11038	Buoyant anti-slosh system Patent [NASA-CASE-XLA-04605] c 32 N71-16106	Attitude sensor for space vehicles Patent [NASA-CASE-XLA-00793] c 21 N71-22880
Variable sweep aircraft Patent [NASA-CASE-XLA-03659] c 02 N71-11041	Detector panels-micrometeoroid impact Patent [NASA-CASE-XLA-05906] c 31 N71-16221	Omnidirectional microwave spacecraft antenna Patent [NASA-CASE-XLA-03114] c 09 N71-22888
Translating horizontal tail Patent [NASA-CASE-XLA-08801-1] c 02 N71-11043	Wind velocity probing device and method Patent [NASA-CASE-XLA-02081] c 20 N71-16281	Thermal control panel Patent [NASA-CASE-XLA-07728] c 33 N71-22890
Space suit pressure stabilizer Patent [NASA-CASE-XLA-05332] c 05 N71-11194	Vibrating structure displacement measuring instrument Patent [NASA-CASE-XLA-03135] c 32 N71-16428	Spacecraft airlock Patent [NASA-CASE-XLA-02050] c 31 N71-22968
Equipotential space suit Patent [NASA-CASE-LAR-10007-1] c 05 N71-11195	Viscous-pendulum-damper Patent [NASA-CASE-XLA-02079] c 12 N71-16894	Station keeping of a gravity gradient stabilized satellite Patent [NASA-CASE-XLA-03132] c 31 N71-22969
Recovery of potable water from human wastes in below-G conditions Patent [NASA-CASE-XLA-03213] c 05 N71-11207	Leak detector Patent [NASA-CASE-XLA-10323-3] c 12 N71-17573	Semi-linear ball bearing Patent [NASA-CASE-XLA-02809] c 15 N71-22982
Process for interfacial polymerization of pyromellitic dianhydride and 1,2,4, 5-tetraamino-benzene Patent [NASA-CASE-XLA-03104] c 06 N71-11235	Logic AND gate for fluid circuits Patent [NASA-CASE-XLA-07391] c 12 N71-17579	Heat sensing instrument Patent [NASA-CASE-XLA-01551] c 14 N71-22989
Imidazopyrrolone/imide copolymers Patent [NASA-CASE-XLA-08802] c 06 N71-11238	Contour surveying system Patent [NASA-CASE-XLA-08646] c 14 N71-17586	Ablation sensor Patent [NASA-CASE-XLA-01791] c 14 N71-22991
Adaptive compression of communication signals Patent [NASA-CASE-XLA-03076] c 07 N71-11266	Cable arrangement for rigid tethering Patent [NASA-CASE-XLA-02332] c 32 N71-17609	Self-calibrating displacement transducer Patent [NASA-CASE-XLA-00781] c 09 N71-22999
Reentry communication by material addition Patent [NASA-CASE-XLA-01552] c 07 N71-11284	Thermal pump-compressor for space use Patent [NASA-CASE-XLA-00377] c 33 N71-17610	Lateral displacement system for separated rocket stages Patent [NASA-CASE-XLA-04804] c 31 N71-23008
Cooperative Doppler radar system Patent [NASA-CASE-LAR-10403] c 21 N71-11766	Viscous pendulum damper Patent [NASA-CASE-LAR-10274-1] c 14 N71-17626	Thermal control coating Patent [NASA-CASE-XLA-01995] c 18 N71-23047
Supersonic aircraft Patent [NASA-CASE-XLA-04451] c 02 N71-12243	Self supporting space vehicle Patent [NASA-CASE-XLA-00117] c 31 N71-17680	Method of making an inflatable panel Patent [NASA-CASE-XLA-03497] c 15 N71-23052
Umbilical disconnect Patent [NASA-CASE-XLA-00711] c 03 N71-12258	Technique for control of free-flight rocket vehicles Patent [NASA-CASE-XLA-00937] c 31 N71-17691	Variable duration pulse integrator Patent [NASA-CASE-XLA-01219] c 10 N71-23084
Remote controlled tubular disconnect Patent [NASA-CASE-XLA-01396] c 03 N71-12259	Hydraulic grip Patent [NASA-CASE-XLA-05100] c 15 N71-17696	Impact energy absorber Patent [NASA-CASE-XLA-01530] c 14 N71-23092
Backpack carrier Patent [NASA-CASE-LAR-10056] c 05 N71-12351	Heat protection apparatus Patent [NASA-CASE-XLA-00892] c 33 N71-17897	Micrometeoroid penetration measuring device Patent [NASA-CASE-XLA-00941] c 14 N71-23240
Optical communications system Patent [NASA-CASE-XLA-01090] c 07 N71-12389	Thermopile vacuum gage tube simulator Patent [NASA-CASE-XLA-02758] c 14 N71-18481	Combined optical attitude and altitude indicating instrument Patent [NASA-CASE-XLA-01907] c 14 N71-23268
Analog to digital converter Patent [NASA-CASE-XLA-00670] c 08 N71-12501	Ionization vacuum gauge with all but the end of the ion collector shielded Patent [NASA-CASE-XLA-07424] c 14 N71-18482	Solar sensor having coarse and fine sensing with matched preirradiated cells and method of selecting cells Patent [NASA-CASE-XLA-01584] c 14 N71-23269
Integrated time shared instrumentation display Patent [NASA-CASE-XLA-01952] c 08 N71-12507	Safe-arm initiator Patent [NASA-CASE-LAR-10372] c 09 N71-18599	Variable width pulse integrator Patent [NASA-CASE-XLA-03356] c 10 N71-23315
SCR blocking pulse gate amplifier Patent [NASA-CASE-XLA-07497] c 09 N71-12514	Controlled glass bead peening Patent [NASA-CASE-XLA-07390] c 15 N71-18616	Leading edge curvature based on convective heating Patent [NASA-CASE-XLA-01486] c 01 N71-23497
Minimum induced drag airfoil body Patent [NASA-CASE-XLA-00755] c 01 N71-13410	Exclusive-Or digital logic module Patent [NASA-CASE-XLA-07732] c 08 N71-18751	Measurement of time differences between luminous events Patent [NASA-CASE-XLA-01987] c 23 N71-23976
Minimum induced drag airfoil body Patent [NASA-CASE-XLA-05828] c 01 N71-13411	Slosh alleviator Patent [NASA-CASE-XLA-05749] c 15 N71-19569	Method for measuring the characteristics of a gas Patent [NASA-CASE-XLA-03375] c 16 N71-24074
Mechanical stability augmentation system Patent [NASA-CASE-XLA-06339] c 02 N71-13422	G conditioning suit Patent [NASA-CASE-XLA-02898] c 05 N71-20268	Laser grating interferometer Patent [NASA-CASE-XLA-04295] c 16 N71-24170
Automatic balancing device Patent [NASA-CASE-LAR-10774] c 10 N71-13545	Dosimeter for high levels of absorbed radiation Patent [NASA-CASE-XLA-03645] c 14 N71-20430	Automatic fatigue test temperature programmer Patent [NASA-CASE-XLA-02059] c 33 N71-24276
Quick release connector Patent [NASA-CASE-XLA-01141] c 15 N71-13789	Flow field simulation Patent [NASA-CASE-LAR-11138] c 12 N71-20438	Ring wing tension vehicle Patent [NASA-CASE-XLA-04901] c 31 N71-24315
Spacecraft experiment pointing and attitude control system Patent [NASA-CASE-XLA-05484] c 21 N71-14132	Variable pulse width multiplier Patent [NASA-CASE-XLA-02850] c 09 N71-20447	Process for applying black coating to metals Patent [NASA-CASE-XLA-06199] c 15 N71-24875
Pressurized cell micrometeoroid detector Patent [NASA-CASE-XLA-00936] c 14 N71-14996	Means for measuring the electron density gradients of the plasma sheath formed around a space vehicle Patent [NASA-CASE-XLA-06232] c 25 N71-20583	Velocity limiting safety system Patent [NASA-CASE-XLA-07473] c 15 N71-24895
Crossed-field MHD plasma generator/accelerator Patent [NASA-CASE-XLA-03374] c 25 N71-15562	Null device for hand controller Patent [NASA-CASE-XLA-01808] c 15 N71-20740	Strain coupled servo control system Patent [NASA-CASE-XLA-08530] c 32 N71-25380
Adjustable attitude guide device Patent [NASA-CASE-XLA-07911] c 15 N71-15571	Event recorder Patent [NASA-CASE-XLA-01832] c 14 N71-21006	Method of temperature compensating semiconductor strain gages Patent [NASA-CASE-XLA-04555-1] c 14 N71-25892
Control system for rocket vehicles Patent [NASA-CASE-XLA-01163] c 21 N71-15582	Inflatable support structure Patent [NASA-CASE-XLA-01731] c 32 N71-21045	Method for improving the signal-to-noise ratio of the Wheatstone bridge type bolometer Patent [NASA-CASE-XLA-02810] c 14 N71-25901
Excessive temperature warning system Patent [NASA-CASE-XLA-01926] c 14 N71-15620	Fast opening diaphragm Patent [NASA-CASE-XLA-03660] c 15 N71-21060	Method of plating copper on aluminum Patent [NASA-CASE-XLA-08966-1] c 17 N71-25903
Alleviation of divergence during rocket launch Patent [NASA-CASE-XLA-00256] c 31 N71-15663	Ellipsograph for pantograph Patent [NASA-CASE-XLA-03102] c 14 N71-21079	Laser calibrator Patent [NASA-CASE-XLA-03410] c 16 N71-25914
Space capsule Patent [NASA-CASE-XLA-01332] c 31 N71-15664	Random function tracer Patent [NASA-CASE-XLA-01401] c 15 N71-21179	Thermal protection ablation spray system Patent [NASA-CASE-XLA-04251] c 18 N71-26100
Variable geometry manned orbital vehicle Patent [NASA-CASE-XLA-03691] c 31 N71-15674	Method and apparatus for bonding a plastics sleeve onto a metallic body Patent [NASA-CASE-XLA-01262] c 15 N71-21404	Direct lift control system Patent [NASA-CASE-LAR-10249-1] c 02 N71-26110
Payload/burned-out motor case separation system Patent [NASA-CASE-XLA-05369] c 31 N71-15687	Hypersonic test facility Patent [NASA-CASE-XLA-05378] c 11 N71-21475	
Velocity package Patent [NASA-CASE-XLA-01339] c 31 N71-15692	Multilegged support system Patent [NASA-CASE-XLA-01326] c 11 N71-21481	
File card marker Patent [NASA-CASE-XLA-02705] c 08 N71-15908		

Light shield and infrared reflector for fatigue testing Patent				Pressure operated electrical switch responsive to a pressure decrease after a pressure increase			Nondestructive spot test method for magnesium and magnesium alloys		
[NASA-CASE-XLA-01782]	c 14	N71-26136		[NASA-CASE-LAR-10137-1]	c 09	N72-22204	[NASA-CASE-LAR-10953-1]	c 17	N73-27446
Dual resonant cavity absorption cell Patent				Variable geometry wind tunnels			Ablation article and method		
[NASA-CASE-LAR-10305]	c 14	N71-26137		[NASA-CASE-XLA-07430]	c 11	N72-22246	[NASA-CASE-LAR-10439-1]	c 33	N73-27796
Resilience testing device Patent				Magnifying scratch gage force transducer			Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds		
[NASA-CASE-XLA-08254]	c 14	N71-26161		[NASA-CASE-LAR-10496-1]	c 14	N72-22437	[NASA-CASE-LAR-10612-1]	c 12	N73-28144
Precipitation detector Patent				Star image motion compensator			Pressurized panel		
[NASA-CASE-XLA-02619]	c 10	N71-26334		[NASA-CASE-LAR-10523-1]	c 14	N72-22444	[NASA-CASE-XLA-08916-2]	c 14	N73-28487
Instrument for measuring the dynamic behavior of liquids Patent				Absolute focus lock for microscopes			Apparatus for aiding a pilot in avoiding a midair collision between aircraft		
[NASA-CASE-XLA-05541]	c 12	N71-26387		[NASA-CASE-LAR-10184]	c 14	N72-22445	[NASA-CASE-LAR-10717-1]	c 21	N73-30641
Arbitrarily shaped model survey system Patent				Cryogenic feedthrough			Exposure interlock for oscilloscope cameras		
[NASA-CASE-LAR-10098]	c 32	N71-26681		[NASA-CASE-LAR-10031]	c 15	N72-22484	[NASA-CASE-LAR-10319-1]	c 14	N73-32322
Dielectric molding apparatus Patent				A technique for breaking ice in the path of a ship			Meteoroid detector		
[NASA-CASE-LAR-10121-1]	c 15	N71-26721		[NASA-CASE-LAR-10815-1]	c 16	N72-22520	[NASA-CASE-LAR-10483-1]	c 14	N73-32327
Method of making a solid propellant rocket motor Patent				One hand backpack harness			Lightweight, variable solidity knitted parachute fabric		
[NASA-CASE-XLA-04126]	c 28	N71-26779		[NASA-CASE-LAR-10102-1]	c 05	N72-23085	[NASA-CASE-LAR-10776-1]	c 02	N74-10034
Dynamic vibration absorber Patent				Method and apparatus for mapping the sensitivity of the face of a photodetector specifically a PMT			Technique for extending the frequency range of digital dividers		
[NASA-CASE-LAR-10083-1]	c 15	N71-27006		[NASA-CASE-LAR-10320-1]	c 09	N72-23172	[NASA-CASE-LAR-10730-1]	c 33	N74-10223
Rate augmented digital to analog converter Patent				Omnidirectional slot antenna for mounting on cylindrical space vehicle			Fluid pressure amplifier and system		
[NASA-CASE-XLA-07828]	c 08	N71-27057		[NASA-CASE-LAR-10163-1]	c 09	N72-25247	[NASA-CASE-LAR-10868-1]	c 33	N74-11050
High speed flight vehicle control Patent				Hall effect transducer			Method of making pressure tight seal for super alloy		
[NASA-CASE-XLA-08967]	c 02	N71-27088		[NASA-CASE-LAR-10620-1]	c 09	N72-25255	[NASA-CASE-LAR-10170-1]	c 37	N74-11301
Suspended mass impact damper Patent				Radio frequency filter device			System for calibrating pressure transducer		
[NASA-CASE-LAR-10193-1]	c 15	N71-27146		[NASA-CASE-XLA-02609]	c 09	N72-25256	[NASA-CASE-LAR-10910-1]	c 35	N74-13132
Active vibration isolator for flexible bodies Patent				Parametric amplifiers with idler circuit feedback			Molding process for imidazopyrrolone polymers		
[NASA-CASE-LAR-10106-1]	c 15	N71-27169		[NASA-CASE-LAR-10253-1]	c 09	N72-25258	[NASA-CASE-LAR-10547-1]	c 31	N74-13177
Soldering device Patent				Variable angle tube holder			Lyophilized spore dispenser		
[NASA-CASE-XLA-08911]	c 15	N71-27214		[NASA-CASE-LAR-10507-1]	c 11	N72-25284	[NASA-CASE-LAR-10544-1]	c 37	N74-13178
Fringe counter for interferometers Patent				Low mass truss structure			Transmitting and reflecting diffuser		
[NASA-CASE-LAR-10204]	c 14	N71-27215		[NASA-CASE-LAR-10546-1]	c 11	N72-25287	[NASA-CASE-LAR-10385-2]	c 70	N74-13436
Wideband VCO with high phase stability Patent				Liquid waste feed system			Evacuated displacement compression molding		
[NASA-CASE-XLA-03893]	c 10	N71-27271		[NASA-CASE-LAR-10365-1]	c 05	N72-27102	[NASA-CASE-LAR-10782-1]	c 31	N74-14133
Plural position switch status and operativeness checker Patent				Microcircuit negative cutter			Modification of one man life raft		
[NASA-CASE-XLA-08799]	c 10	N71-27272		[NASA-CASE-XLA-09843]	c 15	N72-27485	[NASA-CASE-LAR-10241-1]	c 54	N74-14845
Angular displacement indicating gas bearing support system Patent				Light regulator			Attitude sensor		
[NASA-CASE-XLA-09346]	c 15	N71-28740		[NASA-CASE-LAR-10836-1]	c 26	N72-27784	[NASA-CASE-LAR-10586-1]	c 19	N74-15089
Solid state thermal control polymer coating Patent				Linear explosive comparison			Mossbauer spectrometer radiation detector		
[NASA-CASE-XLA-01745]	c 33	N71-28903		[NASA-CASE-LAR-10800-1]	c 33	N72-27959	[NASA-CASE-LAR-11155-1]	c 35	N74-15091
Specialized halogen generator for purification of water Patent				Spherical measurement device			In situ transfer standard for ultrahigh vacuum gage calibration		
[NASA-CASE-XLA-08913]	c 14	N71-28933		[NASA-CASE-XLA-06683]	c 14	N72-28436	[NASA-CASE-LAR-10862-1]	c 35	N74-15092
Optical communications system Patent				Method of making semiconductor p-n junction stress and strain sensor			Dual measurement ablation sensor		
[NASA-CASE-XLA-01090]	c 16	N71-28963		[NASA-CASE-XLA-04980-2]	c 14	N72-28438	[NASA-CASE-LAR-10105-1]	c 34	N74-15652
Antenna design for surface wave suppression Patent				Screened circuit capacitors			Ejectable underwater sound source recovery assembly		
[NASA-CASE-XLA-10772]	c 07	N71-28980		[NASA-CASE-LAR-10294-1]	c 26	N72-28762	[NASA-CASE-LAR-10595-1]	c 35	N74-16135
Analogue to digital converter tester Patent				Deposition apparatus			Wind tunnel model and method		
[NASA-CASE-XLA-06713]	c 14	N71-28991		[NASA-CASE-LAR-10541-1]	c 15	N72-32487	[NASA-CASE-LAR-10812-1]	c 09	N74-17955
Method of making pressurized panel Patent				Lift balancing device			High field CdS detector for infrared radiation		
[NASA-CASE-XLA-08916]	c 15	N71-29018		[NASA-CASE-LAR-10348-1]	c 11	N73-12264	[NASA-CASE-LAR-11027-1]	c 35	N74-18088
Maksutov spectrograph Patent				Air removal device			Method of fabricating an article with cavities		
[NASA-CASE-XLA-10402]	c 14	N71-29041		[NASA-CASE-XLA-8914]	c 15	N73-12492	[NASA-CASE-LAR-10318-1]	c 31	N74-18089
Two component bearing Patent				Nondestructive spot test method for titanium and titanium alloys			Apparatus for remote handling of materials		
[NASA-CASE-XLA-00013]	c 15	N71-29136		[NASA-CASE-LAR-10539-1]	c 17	N73-12547	[NASA-CASE-LAR-10634-1]	c 37	N74-18123
Digital pulse width selection circuit Patent				Logical function generator			Method for compression molding of thermosetting plastics utilizing a temperature gradient across the plastic to cure the article		
[NASA-CASE-XLA-07788]	c 09	N71-29139		[NASA-CASE-XLA-05099]	c 09	N73-13209	[NASA-CASE-LAR-10489-1]	c 31	N74-18124
Magnetically controlled plasma accelerator Patent				Ferry system			Method for determining thermo-physical properties of specimens		
[NASA-CASE-XLA-00327]	c 25	N71-29184		[NASA-CASE-LAR-10574-1]	c 11	N73-13257	[NASA-CASE-LAR-11053-1]	c 25	N74-18551
Boring bar drive mechanism Patent				Flow velocity and directional instrument			Anti-buckling fatigue test assembly		
[NASA-CASE-XLA-03661]	c 15	N71-33518		[NASA-CASE-LAR-10855-1]	c 14	N73-13415	[NASA-CASE-LAR-10426-1]	c 09	N74-19528
Wind tunnel model damper Patent				Vortex breech high pressure gas generator			Reeling system		
[NASA-CASE-XLA-09480]	c 11	N71-33612		[NASA-CASE-LAR-10549-1]	c 31	N73-13898	[NASA-CASE-LAR-10129-2]	c 37	N74-20063
Variable geometry rotor system				Butt welder for fine gauge tungsten/rhenium thermocouple wire			A synchronous binary array divider		
[NASA-CASE-LAR-10557]	c 02	N72-11018		[NASA-CASE-LAR-10103-1]	c 15	N73-14468	[NASA-CASE-ERC-10180-1]	c 60	N74-20836
Flared tube strainer				Method of detecting oxygen in a gas			Orbital and entry tracking accessory for globes		
[NASA-CASE-XLA-05056]	c 15	N72-11389		[NASA-CASE-LAR-10668-1]	c 06	N73-16106	[NASA-CASE-LAR-10626-1]	c 19	N74-21015
Impact measuring technique				Combustion detector			Digital controller for a Baum folding machine		
[NASA-CASE-LAR-10913]	c 14	N72-16282		[NASA-CASE-LAR-10739-1]	c 14	N73-16484	[NASA-CASE-LAR-10688-1]	c 37	N74-21056
Technique of duplicating fragile core				Laser communication system for controlling several functions at a location remote to the laser			Totally confined explosive welding		
[NASA-CASE-XLA-07829]	c 15	N72-16329		[NASA-CASE-LAR-10311-1]	c 16	N73-16536	[NASA-CASE-LAR-10941-1]	c 37	N74-21057
Tube fabricating process				Apparatus for photographing meteors			Method of fabricating an object with a thin wall having a precisely shaped slit		
[NASA-CASE-LAR-10203-1]	c 15	N72-16330		[NASA-CASE-LAR-10226-1]	c 14	N73-19419	[NASA-CASE-LAR-10409-1]	c 31	N74-21059
Air bearing				Zero gravity liquid mixer			Deployable pressurized cell structure for a micrometeoroid detector		
[NASA-CASE-WLP-10002]	c 15	N72-17451		[NASA-CASE-LAR-10195-1]	c 15	N73-19458	[NASA-CASE-LAR-10295-1]	c 35	N74-21062
Extensometer frame				Rate data encoder			Means for accommodating large overstrain in lead wires		
[NASA-CASE-XLA-10322]	c 15	N72-17452		[NASA-CASE-LAR-10128-1]	c 08	N73-20217	[NASA-CASE-LAR-10168-1]	c 33	N74-22865
Split range transducer				Function generator for synthesizing complex vibration mode patterns			Bonded joint and method		
[NASA-CASE-XLA-11189]	c 10	N72-20222		[NASA-CASE-LAR-10310-1]	c 10	N73-20253	[NASA-CASE-LAR-10900-1]	c 37	N74-23064
Stereo photomicrography system				Infrared horizon locator			Light shield and cooling apparatus		
[NASA-CASE-LAR-10176-1]	c 14	N72-20380		[NASA-CASE-LAR-10726-1]	c 14	N73-20475	[NASA-CASE-LAR-10089-1]	c 34	N74-23066
Radar calibration sphere				Light intensity strain analysis			Method of laminating structural members		
[NASA-CASE-XLA-11154]	c 07	N72-21117		[NASA-CASE-LAR-10765-1]	c 32	N73-20740	[NASA-CASE-XLA-11028-1]	c 24	N74-27035
Recorder using selective noise filter				Apparatus and method for generating large mass flow of high temperature air at hypersonic speeds			Rocket having barium release system to create ion clouds in the upper atmosphere		
[NASA-CASE-ERC-10112]	c 07	N72-21119		[NASA-CASE-LAR-10578-1]	c 12	N73-25262	[NASA-CASE-LAR-10670-2]	c 15	N74-27380
Stacked array of omnidirectional antennas				Cable restraint					
[NASA-CASE-LAR-10545-1]	c 09	N72-21244		[NASA-CASE-LAR-10129-1]	c 15	N73-25512			
Electro-mechanical sine/cosine generator				Electronic strain-level counter					
[NASA-CASE-LAR-10503-1]	c 09	N72-21248		[NASA-CASE-LAR-10756-1]	c 32	N73-26910			
Lathe tool bit and holder for machining fiberglass materials									
[NASA-CASE-XLA-10470]	c 15	N72-21489							

Apparatus for inserting and removing specimens from high temperature vacuum furnaces	[NASA-CASE-LAR-10841-1]	c 31	N74-27900	Multichannel logarithmic RF level detector	[NASA-CASE-LAR-11021-1]	c 32	N76-14321	Automated single-slide staining device	[NASA-CASE-LAR-11849-1]	c 51	N77-27677
Grinding arrangement for ball nose milling cutters	[NASA-CASE-LAR-10450-1]	c 37	N74-27905	Turnstile and flared cone UHF antenna	[NASA-CASE-LAR-10970-1]	c 33	N76-14372	Dual cycle aircraft turbine engine	[NASA-CASE-LAR-11310-1]	c 07	N77-28118
Method of repairing discontinuity in fiberglass structures	[NASA-CASE-LAR-10416-1]	c 24	N74-30001	Static pressure probe	[NASA-CASE-LAR-11552-1]	c 35	N76-14429	Composite sandwich lattice structure	[NASA-CASE-LAR-11898-1]	c 24	N78-10214
Deployable flexible ventral fins for use as an emergency spin recovery device in aircraft	[NASA-CASE-LAR-10753-1]	c 08	N74-30421	Horn antenna having V-shaped corrugated slots	[NASA-CASE-LAR-11112-1]	c 32	N76-15330	Differential sound level meter	[NASA-CASE-LAR-12106-1]	c 71	N78-14867
Apparatus for applying simulator g-forces to an arm of an aircraft simulator pilot	[NASA-CASE-LAR-10550-1]	c 09	N74-30597	Ultrasonic calibration device	[NASA-CASE-LAR-11435-1]	c 35	N76-15432	Thermoluminescent aerosol analysis	[NASA-CASE-LAR-12046-1]	c 25	N78-15210
Centrifugal lyophobic separator	[NASA-CASE-LAR-10194-1]	c 34	N74-30608	Deploy/release system	[NASA-CASE-LAR-11575-1]	c 02	N76-16014	CW ultrasonic bolt tensioning monitor	[NASA-CASE-LAR-12016-1]	c 39	N78-15512
Variably positioned guide vanes for aerodynamic choking	[NASA-CASE-LAR-10642-1]	c 07	N74-31270	Clock setter	[NASA-CASE-LAR-11458-1]	c 35	N76-16392	Solar heating system	[NASA-CASE-LAR-12009-1]	c 44	N78-15560
Noise suppressor	[NASA-CASE-LAR-11141-1]	c 07	N74-32418	Heat exchanger system and method	[NASA-CASE-LAR-10799-2]	c 34	N76-17317	Transmitting and reflecting diffuser	[NASA-CASE-LAR-10385-3]	c 74	N78-15879
Measuring probe position recorder	[NASA-CASE-LAR-10806-1]	c 35	N74-32877	Stack plume visualization system	[NASA-CASE-LAR-11675-1]	c 45	N76-17656	TV fatigue crack monitoring system	[NASA-CASE-LAR-11490-1]	c 39	N78-16387
Stagnation pressure probe	[NASA-CASE-LAR-11139-1]	c 35	N74-32878	Cascade plug nozzle	[NASA-CASE-LAR-11674-1]	c 07	N76-18117	Method of making a composite sandwich lattice structure	[NASA-CASE-LAR-11898-2]	c 24	N78-17149
Molding apparatus	[NASA-CASE-LAR-10489-2]	c 31	N74-32920	Exhaust flow deflector	[NASA-CASE-LAR-11570-1]	c 34	N76-18364	Composite lamination method	[NASA-CASE-LAR-12019-1]	c 24	N78-17150
Remote fire stack igniter	[NASA-CASE-MFS-21675-1]	c 25	N74-33378	Method and apparatus for tensile testing of metal foil	[NASA-CASE-LAR-10208-1]	c 35	N76-18400	Polyimide adhesives	[NASA-CASE-LAR-12181-1]	c 27	N78-17205
Open tube guideway for high speed air cushioned vehicles	[NASA-CASE-LAR-10256-1]	c 85	N74-34672	Method and apparatus for fluffing, separating, and cleaning fibers	[NASA-CASE-LAR-11224-1]	c 37	N76-18456	Thermal shock and erosion resistant tantalum carbide ceramic material	[NASA-CASE-LAR-11902-1]	c 27	N78-17206
Fast scan control for deflection type mass spectrometers	[NASA-CASE-LAR-11428-1]	c 35	N74-34857	Therapeutic hand exerciser	[NASA-CASE-LAR-11667-1]	c 52	N76-19785	Optical scanner	[NASA-CASE-LAR-11711-1]	c 74	N78-17866
Apparatus for microbiological sampling	[NASA-CASE-LAR-11069-1]	c 35	N75-12272	Magnetic heading reference	[NASA-CASE-LAR-11387-1]	c 04	N76-20114	Molded composite pyrogen igniter for rocket motors	[NASA-CASE-LAR-12018-1]	c 20	N78-24275
Method of making an explosively welded scarf joint	[NASA-CASE-LAR-11211-1]	c 37	N75-12326	Apparatus for positioning modular components on a vertical or overhead surface	[NASA-CASE-LAR-11465-1]	c 37	N76-21554	Non-destructive method for applying and removing instrumentation on helicopter rotor blades	[NASA-CASE-LAR-11201-1]	c 35	N78-24515
Determining particle density using known material Hugoniot curves	[NASA-CASE-LAR-11059-1]	c 76	N75-12810	Airfoil shape for flight at subsonic speeds	[NASA-CASE-LAR-10585-1]	c 02	N76-22154	Two dimensional wedge/translating shroud nozzle	[NASA-CASE-LAR-11919-1]	c 07	N78-27121
Method for making conductors for ferrite memory arrays	[NASA-CASE-LAR-10994-1]	c 24	N75-13032	Particulate and aerosol detector	[NASA-CASE-LAR-11434-1]	c 35	N76-22509	Remote water monitoring system	[NASA-CASE-LAR-11973-1]	c 35	N78-27384
Evacuated, displacement compression mold	[NASA-CASE-LAR-10782-2]	c 31	N75-13111	High temperature strain gage calibration fixture	[NASA-CASE-LAR-11500-1]	c 35	N76-24523	Magnetic suspension and pointing system	[NASA-CASE-LAR-11889-2]	c 37	N78-27424
Automatic inoculating apparatus	[NASA-CASE-LAR-11074-1]	c 51	N75-13502	Vacuum pressure molding technique	[NASA-CASE-LAR-10073-1]	c 37	N76-24575	Device for measuring the contour of a surface	[NASA-CASE-LAR-11869-1]	c 74	N78-27904
Automatic focus control for facsimile cameras	[NASA-CASE-LAR-11213-1]	c 35	N75-15014	Instrumentation for measuring aircraft noise and sonic boom	[NASA-CASE-LAR-11476-1]	c 07	N76-27232	Supersonic transport	[NASA-CASE-LAR-11932-1]	c 05	N78-32086
Kinesthetic control simulator	[NASA-CASE-LAR-10276-1]	c 09	N75-15662	Connector	[NASA-CASE-LAR-11709-1]	c 37	N76-27567	Hypersonic airbreathing missile	[NASA-CASE-LAR-12264-1]	c 15	N78-32168
Electrostatic measurement system	[NASA-CASE-MFS-22129-1]	c 33	N75-18477	Capillary flow weld-bonding	[NASA-CASE-LAR-11726-1]	c 37	N76-27568	Process for preparing thermoplastic aromatic polyimides	[NASA-CASE-LAR-11828-1]	c 27	N78-32261
Automatic liquid inventory collecting and dispensing unit	[NASA-CASE-LAR-11071-1]	c 35	N75-19611	Detector absorptivity measuring method and apparatus	[NASA-CASE-LAR-10907-1]	c 35	N76-29551	Magnetometer with a miniature transducer and automatic scanning	[NASA-CASE-LAR-11617-2]	c 35	N78-32397
Vacuum leak detector	[NASA-CASE-LAR-11237-1]	c 35	N75-19612	Method for detecting pollutants	[NASA-CASE-LAR-11405-1]	c 45	N76-31714	Independent power generator	[NASA-CASE-LAR-11208-1]	c 44	N78-32539
Spectrometer integrated with a facsimile camera	[NASA-CASE-LAR-11207-1]	c 35	N75-19613	Wingtip vortex dissipator for aircraft	[NASA-CASE-LAR-11645-1]	c 02	N77-10001	Pseudo continuous wave instrument	[NASA-CASE-LAR-12260-1]	c 35	N79-10390
Instrumentation for measurement of aircraft noise and sonic boom	[NASA-CASE-LAR-11173-1]	c 35	N75-19614	Casting propellant in rocket engine	[NASA-CASE-LAR-11995-1]	c 28	N77-10213	Nozzle extraction process and handmeter for measuring handle	[NASA-CASE-LAR-12147-1]	c 31	N79-11246
Laser head for simultaneous optical pumping of several dye lasers	[NASA-CASE-LAR-11341-1]	c 36	N75-19655	Anti-multipath digital signal detector	[NASA-CASE-LAR-11827-1]	c 32	N77-10392	Fluid velocity measuring device	[NASA-CASE-LAR-11729-1]	c 34	N79-12359
High lift aircraft	[NASA-CASE-LAR-11252-1]	c 05	N75-25914	Weld-bonded titanium structures	[NASA-CASE-LAR-11549-1]	c 37	N77-11397	Totally confined explosive welding	[NASA-CASE-LAR-10941-2]	c 37	N79-13364
Vapor phase growth of groups 3-5 compounds by hydrogen chloride transport of the elements	[NASA-CASE-LAR-11144-1]	c 25	N75-26043	Phase modulating with odd and even finite power series of a modulating signal	[NASA-CASE-LAR-11607-1]	c 32	N77-14292	Vortex-lift roll-control device	[NASA-CASE-LAR-11868-2]	c 08	N79-14108
Resonant waveguide stark cell	[NASA-CASE-LAR-11352-1]	c 33	N75-26245	Miniature biaxial strain transducer	[NASA-CASE-LAR-11648-1]	c 35	N77-14407	Electronically scanned pressure sensor module with in situ calibration capability	[NASA-CASE-LAR-12230-1]	c 35	N79-14347
Fluid control apparatus and method	[NASA-CASE-LAR-11110-1]	c 34	N75-26282	Precision alignment apparatus for cutting a workpiece	[NASA-CASE-LAR-11658-1]	c 37	N77-14478	Versatile LDV burst simulator	[NASA-CASE-LAR-11859-1]	c 35	N79-14349
Electrolytic cell structure	[NASA-CASE-LAR-11042-1]	c 33	N75-27252	Solid propellant rocket motor and method of making same	[NASA-CASE-XLA-1349]	c 20	N77-17143	Locking redundant link	[NASA-CASE-LAR-11900-1]	c 37	N79-14382
Automatic microbial transfer device	[NASA-CASE-LAR-11354-1]	c 35	N75-27330	Particulate and solar radiation stable coating for spacecraft	[NASA-CASE-LAR-10805-2]	c 34	N77-18382	Chromatically corrected virtual image display	[NASA-CASE-LAR-12251-1]	c 74	N79-14892
Polyimide adhesives	[NASA-CASE-LAR-11397-1]	c 27	N75-29263	Magnetic heading reference	[NASA-CASE-LAR-11387-2]	c 04	N77-19056	Apparatus for measuring an aircraft's speed and height	[NASA-CASE-LAR-12275-1]	c 35	N79-18296
Bonding method in the manufacture of continuous regression rate sensor devices	[NASA-CASE-LAR-10337-1]	c 24	N75-30260	Binocular device for displaying numerical information in field of view	[NASA-CASE-LAR-11782-1]	c 74	N77-20882	Volumetric direct nuclear pumped laser	[NASA-CASE-LAR-12183-1]	c 36	N79-18307
Meteoroid impact position locator aid for manned space station	[NASA-CASE-LAR-10629-1]	c 35	N75-33367	Method of locating persons in distress	[NASA-CASE-LAR-11390-1]	c 32	N77-21267	Wind tunnel	[NASA-CASE-LAR-10135-1]	c 09	N79-21083
Measurement of gas production of microorganisms	[NASA-CASE-LAR-11326-1]	c 35	N75-33368	Amplifying ribbon extensometer	[NASA-CASE-LAR-11825-1]	c 35	N77-22449	Fatigue failure load indicator	[NASA-CASE-LAR-12027-1]	c 39	N79-22537
Self-supporting strain transducer	[NASA-CASE-LAR-11263-1]	c 35	N75-33369	Method of forming shrink-fit compression seal	[NASA-CASE-LAR-11563-1]	c 37	N77-23482	Filtering technique based on high-frequency plant modeling for high-gain control	[NASA-CASE-LAR-12215-1]	c 08	N79-23097
Annular momentum control device used for stabilization of space vehicles and the like	[NASA-CASE-LAR-11051-1]	c 15	N76-14158	Vortex generator for controlling the dispersion of effluents in a flowing liquid	[NASA-CASE-LAR-12045-1]	c 34	N77-24423	Electrochemical detection device	[NASA-CASE-LAR-11922-1]	c 25	N79-24073
				Process for control of cell division	[NASA-CASE-LAR-10773-3]	c 51	N77-25769	High-temperature microphone system	[NASA-CASE-LAR-12375-1]	c 32	N79-24203
				Electro-mechanical sine/cosine generator	[NASA-CASE-LAR-11389-1]	c 33	N77-26387	Helicopter rotor airfoil	[NASA-CASE-LAR-12396-1]	c 02	N79-24958
				Apparatus for determining thermophysical properties of test specimens	[NASA-CASE-LAR-11883-1]	c 09	N77-27131	Rotary target V-block	[NASA-CASE-LAR-12007-2]	c 74	N79-25876

Magnetic suspension and pointing system [NASA-CASE-LAR-11889-1]	c 35	N79-26372	Pitch attitude stabilization system utilizing engine pressure ratio feedback signals [NASA-CASE-LAR-12562-1]	c 08	N81-26152	Leading edge flap system for aircraft control augmentation [NASA-CASE-LAR-12787-1]	c 05	N82-25240
Seat cushion to provide realistic acceleration cues to aircraft simulator pilot [NASA-CASE-LAR-12149-2]	c 09	N79-31228	Orbiter/launch system [NASA-CASE-LAR-12250-1]	c 14	N81-26161	Graphite/polyimide structural applications [NASA-CASE-LAR-12547-1]	c 24	N82-25324
Mixed diamines for lower melting addition polyimide preparation and utilization [NASA-CASE-LAR-12054-1]	c 27	N79-33316	Adaptive polarization separation [NASA-CASE-LAR-12196-1]	c 33	N81-26358	Elastomer toughened polyimide adhesives [NASA-CASE-LAR-12775-1]	c 27	N82-25384
Displacement probes with self-contained exciting medium [NASA-CASE-LAR-11690-1]	c 35	N80-14371	Wingtip vortex turbine [NASA-CASE-LAR-12544-1]	c 07	N81-27096	A solar pumped laser [NASA-CASE-LAR-12870-1]	c 36	N82-25497
Crystalline polyimides [NASA-CASE-LAR-12099-1]	c 27	N80-16158	A self-correcting electronically scanned pressure sensor [NASA-CASE-LAR-12686-1]	c 09	N81-27121	Magnetic heading reference [NASA-CASE-LAR-12638-1]	c 04	N82-26260
Laser Doppler velocity simulator [NASA-CASE-LAR-12176-1]	c 36	N80-16321	Telescoping columns [NASA-CASE-LAR-12195-1]	c 31	N81-27324	Hinged strike aircraft control system [NASA-CASE-LAR-12860-1]	c 05	N82-26278
Static pressure orifice system testing method and apparatus [NASA-CASE-LAR-12269-1]	c 35	N80-18358	Helmet weight simulator [NASA-CASE-LAR-12320-1]	c 54	N81-27806	Fuselage structure using advanced technology fiber reinforced composites [NASA-CASE-LAR-11688-1]	c 24	N82-26384
Improved tire/wheel concept [NASA-CASE-LAR-11695-2]	c 37	N80-18402	Indirect microbial detection [NASA-CASE-LAR-12520-1]	c 51	N81-28698	Electrically conductive palladium containing polyimide films [NASA-CASE-LAR-12705-1]	c 25	N82-26396
Radar target for remotely sensing hydrological phenomena [NASA-CASE-LAR-12344-1]	c 43	N80-18498	Explosively activated egress area [NASA-CASE-LAR-12624-1]	c 03	N81-29107	Polyphenylquinoxalines containing pendant phenylethynyl and ethynyl groups [NASA-CASE-LAR-12838-1]	c 27	N82-26463
Solar cell angular position transducer [NASA-CASE-LAR-11999-1]	c 44	N80-18552	Rim inertial measuring system [NASA-CASE-LAR-12052-1]	c 18	N81-29152	Hot melt recharge system [NASA-CASE-LAR-12881-1]	c 27	N82-26464
Detection of the transitional layer between laminar and turbulent flow areas on a wing surface [NASA-CASE-LAR-12261-1]	c 02	N80-20224	Tackifier for addition polyimides containing monoethylphthalate [NASA-CASE-LAR-12642-1]	c 27	N81-29229	Digital demodulator [NASA-CASE-LAR-12659-1]	c 33	N82-26570
CDS solid state phase insensitive ultrasonic transducer [NASA-CASE-LAR-12304-1]	c 35	N80-20559	Automated syringe sampler [NASA-CASE-LAR-12308-1]	c 35	N81-29407	One-step dual purpose joining technique [NASA-CASE-LAR-12595-1]	c 33	N82-26571
Combined solar collector and energy storage system [NASA-CASE-LAR-12205-1]	c 44	N80-20810	Low X-ray absorption aneurysm clips [NASA-CASE-LAR-12650-1]	c 52	N81-29768	Liquid-immersible electrostatic ultrasonic transducer [NASA-CASE-LAR-12465-1]	c 33	N82-26572
Noncontacting method for measuring angular deflection [NASA-CASE-LAR-12178-1]	c 74	N80-21138	Unequal split microwave power divider [NASA-CASE-LAR-12889-1]	c 33	N81-31483	Method for determining the point of zero zeta potential of semiconductor materials [NASA-CASE-LAR-12893-1]	c 33	N82-26573
Heating and cooling system [NASA-CASE-LAR-12393-1]	c 39	N80-25693	An instrument for determining coincidence and elapse time between independent sources of random sequential events [NASA-CASE-LAR-12531-1]	c 35	N81-31529	Film advance indicator [NASA-CASE-LAR-12474-1]	c 35	N82-26628
Frequency tracked pulse technique for ultrasonic analysis [NASA-CASE-LAR-12697-1]	c 32	N80-26571	Universal connectors for joining stringers [NASA-CASE-LAR-12744-1]	c 37	N81-31551	Missile rolling tail brake torque system [NASA-CASE-LAR-12751-1]	c 37	N82-26675
Chromatically corrected virtual image visual display [NASA-CASE-LAR-12251-1]	c 74	N80-27185	Ride quality meter [NASA-CASE-LAR-12882-1]	c 54	N81-31848	Interlocking wedge joint [NASA-CASE-LAR-12729-1]	c 37	N82-26676
Heat treat fixture and method of heat treating [NASA-CASE-LAR-11821-1]	c 26	N80-28492	Solar powered aircraft [NASA-CASE-LAR-12615-1]	c 05	N81-32138	Means for controlling aerodynamically induced twist [NASA-CASE-LAR-12175-1]	c 05	N82-28279
Dual acting slit control mechanism [NASA-CASE-LAR-11370-1]	c 35	N80-28686	Solar driven liquid metal MHD power generator [NASA-CASE-LAR-12495-1]	c 44	N81-32609	Hermetically sealable package for hybrid solid-state electronic devices and the like [NASA-CASE-MSC-20181-1]	c 33	N82-28549
Visible and infrared polarization ratio spectrophotometer [NASA-CASE-LAR-12285-1]	c 35	N80-28687	Method of making a partial interlaminar separation composite system [NASA-CASE-LAR-12065-2]	c 24	N81-33235	Apparatus and process for microbial detection and enumeration [NASA-CASE-LAR-12709-1]	c 35	N82-28604
Collapsible corrugated horn antenna [NASA-CASE-LAR-11745-1]	c 32	N80-29539	Wind tunnel supplementary Mach number minimum section insert [NASA-CASE-LAR-12532-1]	c 09	N82-11088	Spray applicator for spraying coatings and other fluids in space [NASA-CASE-MSC-18852-1]	c 37	N82-28640
Natural turbulence electrical power generator [NASA-CASE-LAR-11551-1]	c 44	N80-29834	Aluminum ion-containing polyimide adhesives [NASA-CASE-LAR-12640-1]	c 27	N82-11206	Slow opening valve [NASA-CASE-MSC-20112-1]	c 37	N82-28641
Process for preparing high temperature polyimide film laminates [NASA-CASE-LAR-12742-1]	c 24	N81-12174	Small conductive particle sensor [NASA-CASE-LAR-12552-1]	c 35	N82-11431	Heads up display [NASA-CASE-LAR-12630-1]	c 06	N82-29319
Partial interlaminar separation system for composites [NASA-CASE-LAR-12065-1]	c 24	N81-14000	Large volume multiple-path nuclear pumped laser [NASA-CASE-LAR-12592-1]	c 36	N82-13415	Method for forming pyrrone molding powders and products of said method [NASA-CASE-LAR-10423-1]	c 23	N82-29358
Method for preparing addition type polyimide prepreps [NASA-CASE-LAR-12054-2]	c 27	N81-14078	Slotted variable camber flap [NASA-CASE-LAR-12541-1]	c 05	N82-18203	Directional gear ratio transmission [NASA-CASE-LAR-12644-1]	c 37	N82-29605
Method and tool for machining a transverse slot about a bore [NASA-CASE-LAR-11855-1]	c 37	N81-14319	Reusable thermal cycling clamp [NASA-CASE-LAR-12686-1]	c 27	N82-18390	Self-locking mechanical center joint [NASA-CASE-LAR-12864-1]	c 37	N82-29606
Aerodynamic side-force alleviator means [NASA-CASE-LAR-12326-1]	c 02	N81-14968	Spatial energy distribution [NASA-CASE-LAR-12631-1]	c 35	N82-18557	Vertical shaft windmill [NASA-CASE-LAR-12923-1]	c 44	N82-29713
Thermoset-thermoplastic aromatic polyamides [NASA-CASE-LAR-12723-1]	c 27	N81-15107	Moving body velocity arresting line [NASA-CASE-LAR-12372-1]	c 37	N82-18601	Acoustic tooth cleaner [NASA-CASE-LAR-12471-1]	c 52	N82-29862
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[NASA-CASE-NPO-14237-1] c 44 N80-20808
Method and device for destructive detection of a substance
[NASA-CASE-NPO-14940-1] c 35 N80-21723
Process for the leaching of AP from propellant
[NASA-CASE-NPO-14109-1] c 28 N80-23471
Dual band combiner for horn antenna
[NASA-CASE-NPO-14519-1] c 32 N80-23524
Passive intrusion detection system
[NASA-CASE-NPO-13804-1] c 33 N80-23559
Quartz ball valve
[NASA-CASE-NPO-14473-1] c 37 N80-23654
Method and apparatus for Doppler frequency modulation of radiation
[NASA-CASE-NPO-14524-1] c 32 N80-24510
Method of mitigating titanium impurities effects in p-type silicon material for solar cells
[NASA-CASE-NPO-14635-1] c 44 N80-24741
Geological assessment probe
[NASA-CASE-NPO-14558-1] c 46 N80-24906
Cooled echelle grating spectrometer
[NASA-CASE-NPO-14372-1] c 35 N80-26635
Improved method for driving two-phase turbines with enhanced efficiency
[NASA-CASE-NPO-15037-1] c 37 N80-26660
Cloud cover sensor
[NASA-CASE-NPO-14936-1] c 47 N80-26992
- Simultaneous muscle force and displacement transducer
[NASA-CASE-NPO-14212-1] c 52 N80-27072
Miniature cyclotron resonance ion source using small permanent magnet
[NASA-CASE-NPO-14324-1] c 72 N80-27163
Silicone containing solid propellant
[NASA-CASE-NPO-14477-1] c 28 N80-28536
System for slicing silicon wafers
[NASA-CASE-NPO-14406-1] c 37 N80-29703
Induced junction solar cell and method of fabrication
[NASA-CASE-NPO-13786-1] c 44 N80-29835
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
Method of growing a ribbon crystal particularly suited for facilitating automated control of ribbon width
[NASA-CASE-NPO-14295-1] c 76 N80-32245
Interferometric locating system
[NASA-CASE-NPO-14173-1] c 04 N80-32359
Curable liquid hydrocarbon prepolymers containing hydroxyl groups and process for producing same
[NASA-CASE-NPO-13137-1] c 27 N80-32514
Prepolymer dianhydrides
[NASA-CASE-NPO-13899-1] c 27 N80-32515
System for plotting subsoil structure and method therefor
[NASA-CASE-NPO-14191-1] c 31 N80-32584
Support assembly for cryogenically coolable low-noise choke waveguide
[NASA-CASE-NPO-14253-1] c 32 N80-32605
Multibeam single frequency synthetic aperture radar processor for imaging separate range swaths
[NASA-CASE-NPO-14525-2] c 32 N80-32607
Apparatus for measuring semiconductor device resistance
[NASA-CASE-NPO-14424-1] c 33 N80-32650
Stark cell optoacoustic detection of constituent gases in sample
[NASA-CASE-NPO-14143-1] c 25 N81-14015
Membrane consisting of polyquaternary amine ion exchange polymer network interpenetrating the chains of thermoplastic matrix polymer
[NASA-CASE-NPO-14001-1] c 27 N81-14076
Frequency translating phase conjugation circuit for active retrodirective antenna array
[NASA-CASE-NPO-14536-1] c 32 N81-14185
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[NASA-CASE-NPO-14749-1] c 32 N81-14186
Base drive for paralleled inverter systems
[NASA-CASE-NPO-14163-1] c 33 N81-14220
Low cost cryostat
[NASA-CASE-NPO-14513-1] c 35 N81-14287
Power control for hot gas engines
[NASA-CASE-NPO-14220-1] c 37 N81-14318
Method and apparatus for fabricating improved solar cell modules
[NASA-CASE-NPO-14416-1] c 44 N81-14389
Viscoelastic cationic polymers containing the urethane linkage
[NASA-CASE-NPO-10830-1] c 27 N81-15104
Recovery of aluminum from composite propellants
[NASA-CASE-NPO-14110-1] c 28 N81-15119
Continuous coal processing method
[NASA-CASE-NPO-13758-2] c 31 N81-15154
Method and apparatus for quadrupole-shift-key and linear phase modulation
[NASA-CASE-NPO-14444-1] c 33 N81-15192
An electro-optical Doppler tracker means and method for optical correlation of synthetic aperture radar data
[NASA-CASE-NPO-14998-1] c 33 N81-15194
Tunable injection-locked pulsed CO₂ laser
[NASA-CASE-NPO-14984-1] c 36 N81-15350
Speed control device for a heavy duty shaft
[NASA-CASE-NPO-14170-1] c 37 N81-15364
Redundant operation of counter modules
[NASA-CASE-NPO-14162-1] c 60 N81-15706
Tactile sensing system
[NASA-CASE-NPO-15094-1] c 33 N81-16386
Insoluble polyelectrolyte and ion-exchange hollow fiber impregnated therewith
[NASA-CASE-NPO-13530-1] c 25 N81-17187
Molten salt pyrolysis of latex
[NASA-CASE-NPO-14315-1] c 27 N81-17261
Phase-angle controller for Stirling engines
[NASA-CASE-NPO-14388-1] c 37 N81-17432
Solar energy receiver for a Stirling engine
[NASA-CASE-NPO-14619-1] c 44 N81-17518
System for forming a quadrified image comprising angularly related fields of view of a three dimensional object
[NASA-CASE-NPO-14219-1] c 74 N81-17886
Double-beam optical method and apparatus for measuring thermal diffusivity and other molecular dynamic processes in utilizing the transient thermal lens effect
[NASA-CASE-NPO-14657-1] c 74 N81-17887

Hyperthermia heating apparatus
[NASA-CASE-NPO-14549-2] c 52 N82-33996

CAT altitude avoidance system
[NASA-CASE-NPO-15351-1] c 06 N83-10040

Method and apparatus for convection control of metallic halide vapor density in a metallic halide laser
[NASA-CASE-NPO-15021-1] c 36 N83-10417

Thermal reactor
[NASA-CASE-NPO-14369-1] c 44 N83-10501

Retinally stabilized differential resolution television display
[NASA-CASE-JPO-15432-1] c 32 N83-12308

Submillimeter wave Schottky barrier diode with low series resistance and low noise
[NASA-CASE-NPO-15935-1] c 33 N83-12334

Closed loop electrostatic system
[NASA-CASE-NPO-15553-1] c 33 N83-12335

Ranging system
[NASA-CASE-NPO-15865-1] c 74 N83-12991

Integrated optics in an electrically scanned imaging Fourier transform spectrometer
[NASA-CASE-NPO-15844-1] c 74 N83-12992

Total immersion crystal growth
[NASA-CASE-NPO-15800-1] c 76 N83-15149

Enhancement of in vitro guanylate propagation
[NASA-CASE-NPO-15213-1] c 51 N83-17045

System for indicating fuel-efficient aircraft altitude
[NASA-CASE-NPO-15351-2] c 06 N83-17536

Contactless pellet fabrication
[NASA-CASE-NPO-15592-1] c 31 N83-17746

Electronic system for high power load control
[NASA-CASE-NPO-15358-1] c 33 N83-17805

Particle analyzing method and apparatus
[NASA-CASE-NPO-15292-1] c 45 N83-18089

Distributed multiport memory architecture
[NASA-CASE-NPO-15342-1] c 60 N83-18290

Optical fiber tactile sensor
[NASA-CASE-NPO-15375-1] c 74 N83-18485

Servomechanism for Doppler shift compensation in optical correlator for synthetic aperture radar
[NASA-CASE-NPO-14998-1] c 32 N83-18975

Synchronized voltage contrast display analysis system
[NASA-CASE-NPO-14567-1] c 33 N83-18996

Broadband optical radiation detector
[NASA-CASE-14864-1] c 74 N83-19597

Combustion engine system
[NASA-CASE-NPO-14565-2] c 25 N83-19826

Production of ultrapure amorphous metals utilizing acoustic cooling
[NASA-CASE-NPO-15658-1] c 26 N83-19890

Elastomer coated filler and composites thereof comprising at least 60% by weight of a hydrated filler and an elastomer containing an acid substituent
[NASA-CASE-NPO-14857-1] c 27 N83-19900

Absorbable susceptor joining of ceramic surfaces
[NASA-CASE-NPO-15640-1] c 27 N83-19904

Thin wire pointing method
[NASA-CASE-NPO-15789-1] c 31 N83-19947

Clutter free synthetic aperture radar correlator
[NASA-CASE-NPO-14035-1] c 32 N83-19968

Beam forming network
[NASA-CASE-NPO-15743-1] c 32 N83-19969

Electronic con scanning spacecraft communication system
[NASA-CASE-NPO-15899-1] c 32 N83-19970

Trace water sensor
[NASA-CASE-NPO-15722-1] c 35 N83-20084

Integrated opto-electronic laser beam deflector position detector
[NASA-CASE-NPO-15943-1] c 36 N83-20092

High production shuttle car system for coal mines
[NASA-CASE-NPO-15949-1] c 37 N83-20155

Articulated joint for deployable structures
[NASA-CASE-NPO-16038-1] c 37 N83-20157

Method and apparatus for contour mapping using synthetic aperture radar
[NASA-CASE-NPO-15939-1] c 43 N83-20324

Apparatus and method for destructive removal of particles contained in a flowing fluid
[NASA-CASE-NPO-15426-1] c 45 N83-20447

Multi computer communication system
[NASA-CASE-NPO-15433-1] c 62 N83-20634

Integrating IR detector imaging systems
[NASA-CASE-NPO-15805-1] c 74 N83-20757

Controlled in situ etch-back
[NASA-CASE-NPO-15625-1] c 76 N83-20789

Method of making macrocrystalline or single crystal semiconductive material and products produced thereby
[NASA-CASE-NPO-15904-1] c 76 N83-21993

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Wallops Flight Center, Wallops Island, Va.

Thin film strain transducer
[NASA-CASE-WLP-10055-1] c 35 N82-26632

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[NASA-CASE-XNP-04731] c 15 N71-24042

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[NASA-CASE-XFR-09479] c 14 N69-27503Three axis controller Patent
[NASA-CASE-XFR-00181] c 21 N70-33279Catalyst bed removing tool Patent
[NASA-CASE-XFR-00811] c 15 N70-36901Two-axis controller Patent
[NASA-CASE-XFR-04104] c 03 N70-42073Controlled visibility device for an aircraft Patent
[NASA-CASE-XFR-04147] c 11 N71-10748Biomedical electrode arrangement Patent
[NASA-CASE-XFR-10856] c 05 N71-11189Lifting body Patent Application
[NASA-CASE-FRC-10063] c 01 N71-12217Energy management system for glider type vehicle Patent
[NASA-CASE-XFR-00756] c 02 N71-13421Quick attach mechanism Patent
[NASA-CASE-XFR-05421] c 15 N71-22994Heat flux measuring system Patent
[NASA-CASE-XFR-03802] c 33 N71-23085Threadless fastener apparatus Patent
[NASA-CASE-XFR-05302] c 15 N71-23254Traversing probe Patent
[NASA-CASE-XFR-02007] c 12 N71-24692Layout tool Patent
[NASA-CASE-FRC-10005] c 15 N71-26145Pulsed excitation voltage circuit for transducers
[NASA-CASE-FRC-10036] c 09 N72-22200Acoustical transducer calibrating system and apparatus
[NASA-CASE-FRC-10060-1] c 14 N73-27379Three-axis adjustable loading structure
[NASA-CASE-FRC-10051-1] c 35 N74-13129Terminal guidance system
[NASA-CASE-FRC-10049-1] c 04 N74-13420Full wave modulator-demodulator amplifier apparatus
[NASA-CASE-FRC-10072-1] c 33 N74-14939Rotating raster generator
[NASA-CASE-FRC-10071-1] c 32 N74-20813

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Oakland Univ., Rochester, Mich.

Optical process for producing classification maps from multispectral data
[NASA-CASE-MS-C-14472-1] c 43 N77-10584Interactive color display for multispectral imagery using correlation clustering
[NASA-CASE-MS-C-16253-1] c 32 N79-20297

Occidental Research Corp., La Verne, Calif.

Process for preparing higher oxides of the alkali and alkaline earth metals
[NASA-CASE-ARC-10992-1] c 26 N78-32229

Ohio State Univ., Columbus.

Horn antenna having V-shaped corrugated slots
[NASA-CASE-LAR-11112-1] c 32 N76-15330Distributed-switch Dicke radiometers
[NASA-CASE-GSC-12219-1] c 35 N80-18359

Old Dominion Univ., Norfolk, Va.

Instrumentation for measuring aircraft noise and sonic boom
[NASA-CASE-LAR-11476-1] c 07 N76-27232Differential sound level meter
[NASA-CASE-LAR-12106-1] c 71 N78-14867High-temperature microphone system
[NASA-CASE-LAR-12375-1] c 32 N79-24203Aerodynamic side-force alleviator means
[NASA-CASE-LAR-12326-1] c 02 N81-14968Leading edge vortex flaps for drag reduction
[NASA-CASE-LAR-12750-1] c 02 N81-19016Leading edge flap system for aircraft control augmentation
[NASA-CASE-LAR-12787-1] c 05 N82-25240

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Method for separating biological cells
[NASA-CASE-MFS-23883-1] c 51 N80-16715

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[NASA-CASE-MS-C-16098-1] c 51 N79-10693

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[NASA-CASE-XNP-02029] c 14 N70-41955

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[NASA-CASE-MS-C-20275-1] c 35 N83-17856

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[NASA-CASE-FRC-10019] c 15 N73-12487

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[NASA-CASE-NPO-10768] c 06 N71-27254Perfluoro polyether acyl fluorides
[NASA-CASE-NPO-10765] c 06 N72-20121Polyurethane resins from hydroxy terminated perfluoro ethers
[NASA-CASE-NPO-10768-2] c 06 N72-27144Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-2] c 06 N72-27151Highly fluorinated polyurethanes
[NASA-CASE-NPO-10767-1] c 06 N73-33076

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Process for the preparation of polycarbonylphosphazenes
[NASA-CASE-ARC-11176-2] c 27 N81-27271Carbonylchlorophosphazenes and their polymers
[NASA-CASE-ARC-11176-1] c 27 N82-18389

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Frequency modulation demodulator threshold extension device Patent
[NASA-CASE-MS-C-12165-1] c 07 N71-33696

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Mechanically extendible telescoping boom
[NASA-CASE-NPO-11118] c 03 N72-25021

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Composite antenna feed
[NASA-CASE-GSC-11046-1] c 07 N73-28013Amplitude steered array
[NASA-CASE-GSC-11446-1] c 33 N74-20860

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External bulb variable volume maser
[NASA-CASE-GSC-12334-1] c 36 N79-14362Off-axis coherently pumped laser
[NASA-CASE-GSC-12592-1] c 36 N81-12407

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Method and device for the detection of phenol and related compounds
[NASA-CASE-LEW-12513-1] c 25 N79-22235

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Telephone multiline signaling using common signal pair
[NASA-CASE-KSC-11023-1] c 32 N79-23310

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[NASA-CASE-LEW-13934-1] c 31 N83-19949

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Liquid-gas separation system Patent
[NASA-CASE-XMS-01624] c 15 N70-40062Vibration damping system Patent
[NASA-CASE-XMS-01620] c 23 N71-15673Vapor pressure measuring system and method Patent
[NASA-CASE-XMS-01618] c 14 N71-20741Sealing member and combination thereof and method of producing said sealing member Patent
[NASA-CASE-XMS-01625] c 15 N71-23022

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[NASA-CASE-ARC-11241-1] c 25 N81-14016

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[NASA-CASE-MS-C-13436-1] c 05 N73-32015

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[NASA-CASE-XGS-01230] c 08 N71-19544

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[NASA-CASE-XGS-01155] c 10 N71-21483

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[NASA-CASE-GSC-11182-1] c 15 N75-13007

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[NASA-CASE-XGS-00963] c 15 N69-39735

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[NASA-CASE-XMS-03700] c 15 N69-24266

Apparatus for ballasting high frequency transistors
[NASA-CASE-XGS-05003] c 09 N69-24318
Helical coaxial resonator RF filter
[NASA-CASE-XGS-02816] c 07 N69-24323
Radiation resistant silicon semiconductor devices
Patent
[NASA-CASE-XGS-07801] c 09 N71-12513
GaAs solar detector using manganese as a doping agent
Patent
[NASA-CASE-XNP-01328] c 26 N71-18064
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[NASA-CASE-XNP-01659] c 14 N71-23039
Method of erasing target material of a vidicon tube or the like Patent
[NASA-CASE-XNP-06028] c 09 N71-23189
Transient augmentation circuit for pulse amplifiers
Patent
[NASA-CASE-XNP-01068] c 10 N71-28739

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[NASA-CASE-XGS-01395] c 03 N69-21539
Solar cell including second surface mirrors Patent
[NASA-CASE-NPO-10109] c 03 N71-11049
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[NASA-CASE-XMS-03454] c 09 N71-20658
Simple method of making photovoltaic junctions
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[NASA-CASE-XNP-01960] c 09 N71-23027
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[NASA-CASE-XNP-01959] c 26 N71-23043
Method and apparatus for distillation of liquids Patent
[NASA-CASE-XNP-08124] c 15 N71-27184
Maximum power point tracker Patent
[NASA-CASE-GSC-10376-1] c 14 N71-27407
Method of changing the conductivity of vapor deposited gallium arsenide by the introduction of water into the vapor deposition atmosphere Patent
[NASA-CASE-XNP-01961] c 26 N71-29156
Radial heat flux transformer
[NASA-CASE-NPO-10828] c 33 N72-17948
Target acquisition antenna
[NASA-CASE-GSC-10064-1] c 10 N72-22235
Method for distillation of liquids
[NASA-CASE-XNP-08124-2] c 06 N73-13129
Hermetically sealed semiconductor
[NASA-CASE-GSC-10791-1] c 15 N73-14469
Thermal flux transfer system
[NASA-CASE-NPO-12070-1] c 28 N73-32606
Rotary solenoid shutter drive assembly and rotary inertia damper and stop plate assembly
[NASA-CASE-GSC-11560-1] c 33 N74-20861
Frequency measurement by coincidence detection with standard frequency
[NASA-CASE-MSC-14649-1] c 33 N76-16331
Means for growing ribbon crystals without subjecting the crystals to thermal shock-induced strains
[NASA-CASE-NPO-14298-1] c 76 N80-32244
Apparatus for use in the production of ribbon-shaped crystals from a silicon melt
[NASA-CASE-NPO-14297-1] c 33 N81-19389
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[NASA-CASE-MSC-18578-1] c 74 N82-27121

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[NASA-CASE-XNP-03744] c 10 N71-20448

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[NASA-CASE-MFS-20386] c 21 N71-19212
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[NASA-CASE-MFS-21244-1] c 36 N75-15028

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[NASA-CASE-XLA-07813] c 14 N72-17328
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[NASA-CASE-LAR-11370-1] c 35 N80-28686

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[NASA-CASE-XLA-04980] c 09 N69-27422

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[NASA-CASE-MFS-25640-1] c 52 N82-26962

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[NASA-CASE-XGS-01036] c 14 N70-40003

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[NASA-CASE-XNP-07040] c 08 N71-12500
Load cell protection device Patent
[NASA-CASE-XMS-06782] c 32 N71-15974
Thermobulb mount Patent
[NASA-CASE-NPO-10158] c 33 N71-16356
Laminar flow enhancement Patent
[NASA-CASE-NPO-10122] c 12 N71-17631

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[NASA-CASE-MFS-14259] c 15 N71-19213
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[NASA-CASE-MFS-11537] c 14 N71-20442
Technique of elbow bending small jacketed transfer lines
Patent
[NASA-CASE-XNP-10475] c 15 N71-24679
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[NASA-CASE-NPO-10070] c 15 N71-27372
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[NASA-CASE-XNP-00816] c 28 N71-28928
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[NASA-CASE-NPO-10417] c 16 N71-33410
Hydrazinium nitroformate propellant stabilized with nitroguanidine
[NASA-CASE-NPO-12000] c 27 N72-25699
Hydrazinium nitroformate propellant with saturated polymeric hydrocarbon binder
[NASA-CASE-NPO-12015] c 27 N73-16764
Novel polymers and method of preparing same
[NASA-CASE-NPO-10998-1] c 06 N73-32029
Internally supported flexible duct joint
[NASA-CASE-MFS-19193-1] c 37 N75-19686
Method of heat treating age-hardenable alloys
[NASA-CASE-XNP-01311] c 26 N75-29236
Thrust measurement
[NASA-CASE-XMS-05731] c 35 N75-29382
Device for installing rocket engines
[NASA-CASE-MFS-19220-1] c 20 N76-22296

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Hermetically sealable package for hybrid solid-state electronic devices and the like
[NASA-CASE-MSC-20181-1] c 33 N82-28549

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Brazing alloy binder
[NASA-CASE-XMF-05868] c 26 N75-27125
Brazing alloy composition
[NASA-CASE-XMF-06053] c 26 N75-27126
Brazing alloy
[NASA-CASE-XNP-03878] c 26 N75-27127
Method and apparatus for vibration analysis utilizing the Mossbauer effect
[NASA-CASE-XMF-05882] c 35 N75-27329
Externally supported internally stabilized flexible duct joint
[NASA-CASE-MFS-19194-1] c 37 N76-14460
Accumulator
[NASA-CASE-MFS-19287-1] c 34 N77-30399
Laser extensometer
[NASA-CASE-MFS-19259-1] c 36 N78-14380
Stable superconducting magnet
[NASA-CASE-XMF-05373-1] c 33 N79-21264

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Apparatus for positioning modular components on a vertical or overhead surface
[NASA-CASE-LAR-11465-1] c 37 N76-21554
Flanged major modular assembly jig
[NASA-CASE-MSC-19372-1] c 39 N76-31562
Aircraft-mounted crash-activated transmitter device
[NASA-CASE-MFS-16809-3] c 03 N76-32140
Window defect planar mapping technique
[NASA-CASE-MSC-19442-1] c 74 N77-10899
Mechanical sequencer
[NASA-CASE-MSC-19536-1] c 37 N77-22482
Load regulating latch
[NASA-CASE-MSC-19535-1] c 37 N77-32499
Adjustable securing base
[NASA-CASE-MSC-19666-1] c 37 N78-17383
Method of producing complex aluminum alloy parts of high temper. and products thereof
[NASA-CASE-MSC-19693-1] c 26 N78-24333
Flexible pile thermal barrier insulator
[NASA-CASE-MSC-19568-1] c 34 N78-25350
Variable contour securing system
[NASA-CASE-MSC-16270-1] c 37 N78-27423
Multi-purpose wind tunnel reaction control model block
[NASA-CASE-MSC-19706-1] c 09 N78-31129
Sequencing device utilizing planetary gear set
[NASA-CASE-MSC-19514-1] c 37 N79-20377
System for automatically switching transformer coupled lines
[NASA-CASE-MSC-16697-1] c 33 N79-28415
Pressure limiting propellant actuating system
[NASA-CASE-MSC-18179-1] c 20 N80-18097
Floating nut retention system
[NASA-CASE-MSC-16938-1] c 37 N80-23653
Heat treat fixture and method of heat treating
[NASA-CASE-LAR-11821-1] c 26 N80-28492
Coaxial phased array antenna
[NASA-CASE-MSC-16800-1] c 32 N81-14187
Installing fiber insulation
[NASA-CASE-MSC-16973-1] c 37 N81-14317
Thermal barrier pressure seal
[NASA-CASE-MSC-18134-1] c 37 N81-15363

Apparatus for accurately preloading auger attachment means for frangible protective material
[NASA-CASE-MSC-18791-1] c 37 N81-24446
Cavity-backed, micro-strip dipole antenna array
[NASA-CASE-MSC-18606-1] c 32 N82-11336
Deaerator/mixer for liquids
[NASA-CASE-MSC-18936-1] c 25 N82-22329
Precision heat forming of tetrafluoroethylene tubing
[NASA-CASE-MSC-18430-1] c 37 N82-24491
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[NASA-CASE-MSC-18526-1] c 37 N82-24494
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[NASA-CASE-MSC-18934-3] c 24 N82-26387
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[NASA-CASE-MSC-18532-1] c 32 N82-27558
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[NASA-CASE-MSC-18741-1] c 27 N82-29456
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[NASA-CASE-LAR-10907-1] c 35 N76-29551
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[NASA-CASE-MFS-23315-1] c 76 N78-24950
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[NASA-CASE-MFS-21629] c 14 N72-22442
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[NASA-CASE-NPO-11018] c 08 N72-21200
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[NASA-CASE-NPO-10151] c 37 N78-17386
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[NASA-CASE-XGS-09186] c 33 N78-17295

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[NASA-CASE-XMS-04928] c 54 N78-17679

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[NASA-CASE-HQN-10274-1] c 27 N82-29451

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[NASA-CASE-HQN-10931-2] c 27 N82-29452

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[NASA-CASE-HQN-10328-2] c 27 N82-29454

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[NASA-CASE-MSC-18107-1] c 27 N81-25209

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[NASA-CASE-XMF-06884-1] c 20 N79-21123

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[NASA-CASE-HQN-10595-1] c 27 N82-29455

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[NASA-CASE-XMS-05303] c 07 N69-27462

Electronic background suppression method and apparatus for a field scanning sensor
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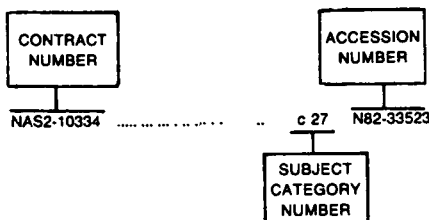
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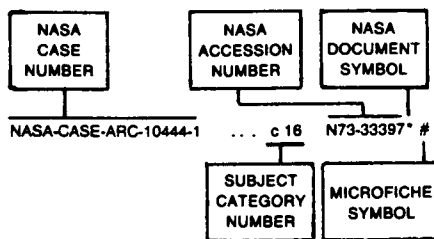
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NASA-CASE-GSC-11789-1	c 33	N77-14333* #	NASA-CASE-GSC-12365-1	c 32	N80-28573* #	NASA-CASE-HQN-10844-1	c 36	N75-19653* #
NASA-CASE-GSC-11824-1	c 33	N77-26386* #	NASA-CASE-GSC-12399-1	c 33	N81-25299* #	NASA-CASE-HQN-10862-1	c 44	N76-29699* #
NASA-CASE-GSC-11829-1	c 35	N75-27331* #	NASA-CASE-GSC-12410-1	c 33	N79-24260* #	NASA-CASE-HQN-10876-1	c 33	N76-27473* #
NASA-CASE-GSC-11839-1	c 60	N77-14751* #	NASA-CASE-GSC-12411-1	c 33	N81-14221* #	NASA-CASE-HQN-10880-1	c 17	N78-17140* #
NASA-CASE-GSC-11839-2	c 60	N78-10709* #	NASA-CASE-GSC-12415-1	c 33	N82-24419* #	NASA-CASE-HQN-10888-1	c 44	N79-14527* #
NASA-CASE-GSC-11839-3	c 60	N77-32731* #	NASA-CASE-GSC-12420-1	c 33	N82-16340* #	NASA-CASE-HQN-10931-2	c 27	N82-29452* #
NASA-CASE-GSC-11844-1	c 33	N75-19522* #	NASA-CASE-GSC-12429-1	c 37	N81-14320* #			
NASA-CASE-GSC-11849-1	c 33	N76-16332* #	NASA-CASE-GSC-12430-1	c 60	N82-16747* #	NASA-CASE-JPO-15432-1	c 32	N83-12308* #
NASA-CASE-GSC-11862-1	c 32	N76-18295* #	NASA-CASE-GSC-12442-1	c 33	N82-20398* #			
NASA-CASE-GSC-11868-1	c 17	N76-22245* #	NASA-CASE-GSC-12447-1	c 60	N80-21987* #	NASA-CASE-KSC-10002	c 10	N71-25865* #
NASA-CASE-GSC-11877-1	c 74	N76-18913* #	NASA-CASE-GSC-12508-1	c 04	N81-26085* #	NASA-CASE-KSC-10003	c 10	N73-13235* #
NASA-CASE-GSC-11883-1	c 37	N77-19458* #	NASA-CASE-GSC-12513-1	c 31	N81-19343* #	NASA-CASE-KSC-10020	c 10	N71-27338* #
NASA-CASE-GSC-11883-2	c 37	N78-31426* #	NASA-CASE-GSC-12515-1	c 33	N81-26360* #	NASA-CASE-KSC-10031	c 15	N72-22486* #
NASA-CASE-GSC-11889-1	c 35	N76-16393* #	NASA-CASE-GSC-12517-1	c 33	N81-22279* #	NASA-CASE-KSC-10108	c 14	N73-25461* #
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NASA-CASE-GSC-11893-1	c 35	N76-31489* #	NASA-CASE-GSC-12528-1	c 74	N81-24900* #	NASA-CASE-KSC-10162	c 09	N72-11225* #
NASA-CASE-GSC-11895-1	c 35	N76-15436* #	NASA-CASE-GSC-12550-1	c 37	N81-22358* #	NASA-CASE-KSC-10164	c 07	N71-33108* #
NASA-CASE-GSC-11898-1	c 32	N77-30309* #	NASA-CASE-GSC-12551-1	c 18	N81-12156* #	NASA-CASE-KSC-10198	c 11	N71-28629* #
NASA-CASE-GSC-11902-1	c 38	N77-17495* #	NASA-CASE-GSC-12553-1	c 33	N80-21671* #	NASA-CASE-KSC-10242	c 15	N72-23497* #
NASA-CASE-GSC-11909	c 32	N74-20863* #	NASA-CASE-GSC-12555-1	c 33	N80-26601* #	NASA-CASE-KSC-10278	c 05	N72-16015* #
NASA-CASE-GSC-11917-2	c 51	N76-29891* #	NASA-CASE-GSC-12558-1	c 35	N82-29580* #	NASA-CASE-KSC-10294	c 14	N72-18411* #
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NASA-CASE-GSC-11925-1	c 33	N76-18353* #	NASA-CASE-GSC-12565-1	c 36	N82-24485* #	NASA-CASE-KSC-10392	c 07	N73-26117* #
NASA-CASE-GSC-11960-1	c 37	N77-14479* #	NASA-CASE-GSC-12566-1	c 36	N82-10390* #	NASA-CASE-KSC-10393	c 09	N72-21247* #
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NASA-CASE-GSC-11974-1	c 37	N77-19458* #	NASA-CASE-GSC-12582-2	c 37	N83-13460* #	NASA-CASE-KSC-10521	c 07	N73-20176* #
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NASA-CASE-GSC-11998-1	c 34	N77-32413* #	NASA-CASE-GSC-12608-1	c 74	N83-10900* #	NASA-CASE-KSC-10626	c 14	N73-27378* #
NASA-CASE-GSC-12010-1	c 74	N78-18905* #	NASA-CASE-GSC-12609-1	c 36	N81-22344* #	NASA-CASE-KSC-10639	c 15	N73-26472* #
NASA-CASE-GSC-12017-1	c 32	N77-30308* #	NASA-CASE-GSC-12614-1	c 35	N81-12386* #	NASA-CASE-KSC-10644	c 09	N72-27227* #
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NASA-CASE-GSC-12032-2	c 43	N82-13465* #	NASA-CASE-GSC-12643-1	c 37	N81-24447* #	NASA-CASE-KSC-10729-1	c 09	N73-32110* #
NASA-CASE-GSC-12039-1	c 51	N77-22794* #	NASA-CASE-GSC-12645-1	c 33	N81-31482* #	NASA-CASE-KSC-10730-1	c 14	N73-32318* #
NASA-CASE-GSC-12044-1	c 60	N78-17691* #	NASA-CASE-GSC-12646-1	c 33	N81-32391* #	NASA-CASE-KSC-10731-1	c 33	N74-27862* #
NASA-CASE-GSC-12046-1	c 52	N79-14750* #	NASA-CASE-GSC-12650-1	c 33	N82-10324* #	NASA-CASE-KSC-10736-1	c 33	N75-19521* #
NASA-CASE-GSC-12053-1	c 32	N77-28346* #	NASA-CASE-GSC-12652-1	c 52	N82-26961* #	NASA-CASE-KSC-10750-1	c 35	N75-12270* #
NASA-CASE-GSC-12058-1	c 74	N77-26942* #	NASA-CASE-GSC-12682-1	c 35	N82-26629* #	NASA-CASE-KSC-10769-1	c 33	N74-29556* #
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NASA-CASE-GSC-12077-1	c 35	N77-24455* #	NASA-CASE-GSC-12697-1	c 31	N82-11312* #	NASA-CASE-KSC-10834-1	c 33	N76-14371* #
NASA-CASE-GSC-12081-2	c 52	N82-22875* #	NASA-CASE-GSC-12725-1	c 37	N82-29603* #	NASA-CASE-KSC-10849-1	c 52	N77-14738* #
NASA-CASE-GSC-12082-1	c 54	N76-22914* #	NASA-CASE-GSC-12756-1	c 74	N82-30073* #	NASA-CASE-KSC-10899-1	c 33	N79-18193* #
NASA-CASE-GSC-12082-2	c 52	N81-25661* #	NASA-CASE-GSC-12762-1	c 37	N82-29604* #	NASA-CASE-KSC-11004-1	c 54	N77-30749* #
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NASA-CASE-GSC-12088-1	c 74	N78-13874* #	NASA-CASE-GSC-12771-1	c 34	N83-12361* #	NASA-CASE-KSC-11010-1	c 74	N79-12890* #
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NASA-CASE-GSC-12111-2	c 33	N81-29342* #	NASA-CASE-GSC-12782-1	c 33	N83-13360* #	NASA-CASE-KSC-11023-1	c 32	N79-23310* #
NASA-CASE-GSC-12115-1	c 62	N76-31946* #	NASA-CASE-GSC-12788-1	c 33	N83-12333* #	NASA-CASE-KSC-11025-1	c 32	N83-13323* #
NASA-CASE-GSC-12137-1	c 33	N78-32338* #	NASA-CASE-GSC-12789-1	c 35	N83-13425* #	NASA-CASE-KSC-11030-1	c 52	N77-25772* #
NASA-CASE-GSC-12138-1	c 33	N79-20314* #	NASA-CASE-GSC-12794-1	c 37	N83-12434* #	NASA-CASE-KSC-11031-1	c 33	N79-11315* #
NASA-CASE-GSC-12143-1	c 35	N77-32456* #	NASA-CASE-GSC-12795-1	c 35	N83-20085* #	NASA-CASE-KSC-11034-1	c 44	N78-32542* #
NASA-CASE-GSC-12145-1	c 33	N78-32339* #	NASA-CASE-GSC-12799-1	c 37	N83-20153* #	NASA-CASE-KSC-11035-1	c 35	N78-28411* #
NASA-CASE-GSC-12146-1	c 33	N78-32340* #	NASA-CASE-GSC-12805-1	c 72	N83-18423* #	NASA-CASE-KSC-11042-1	c 09	N82-29330* #
NASA-CASE-GSC-12147-1	c 32	N81-27341* #	NASA-CASE-GSC-12808-1	c 45	N83-20446* #	NASA-CASE-KSC-11042-2	c 02	N81-26073* #
NASA-CASE-GSC-12148-1	c 32	N79-20296* #	NASA-CASE-GSC-12812-1	c 44	N83-12525* #	NASA-CASE-KSC-11047-1	c 74	N78-14889* #
NASA-CASE-GSC-12150-1	c 32	N79-11265* #	NASA-CASE-GSC-12824-1	c 35	N83-13424* #	NASA-CASE-KSC-11048-1	c 62	N81-24779* #
NASA-CASE-GSC-12158-1	c 51	N78-22585* #	NASA-CASE-GSC-12851-1	c 35	N83-20083* #	NASA-CASE-KSC-11057-1	c 33	N79-14305* #
NASA-CASE-GSC-12168-1	c 31	N79-17029* #				NASA-CASE-KSC-11064-1	c 31	N81-14137* #
NASA-CASE-GSC-12171-1	c 33	N79-28416* #	NASA-CASE-HQN-00573-1	c 37	N79-33468* #	NASA-CASE-KSC-11065-1	c 33	N81-26359* #
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NASA-CASE-GSC-12190-1	c 33	N79-12321* #	NASA-CASE-HQN-00937	c 07	N71-28979* #	NASA-CASE-KSC-11076-1	c 34	N81-26402* #
NASA-CASE-GSC-12191-1	c 31	N80-32583* #	NASA-CASE-HQN-00938	c 33	N71-29053* #	NASA-CASE-KSC-11085-1	c 54	N81-24724* #
NASA-CASE-GSC-12194-2	c 20	N82-18314* #	NASA-CASE-HQN-10037-1	c 14	N73-27376* #	NASA-CASE-KSC-11097-1	c 27	N82-33520* #
NASA-CASE-GSC-12207-1	c 24	N79-14156* #	NASA-CASE-HQN-10069	c 33	N75-27251* #	NASA-CASE-KSC-11099-1	c 47	N82-24779* #
NASA-CASE-GSC-12219-1	c 35	N80-18359* #	NASA-CASE-HQN-10274-1	c 27	N82-29451* #	NASA-CASE-KSC-11104-1	c 74	N81-12862* #
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NASA-CASE-GSC-12225-1	c 74	N79-14891* #	NASA-CASE-HQN-10364	c 06	N71-27363* #	NASA-CASE-KSC-11218-1	c 09	N82-29331* #
NASA-CASE-GSC-12228-1	c 33	N79-10338* #	NASA-CASE-HQN-10439	c 21	N72-21624* #			
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NASA-CASE-GSC-12253-1	c 34	N79-31523* #	NASA-CASE-HQN-10537-1	c 06	N72-10138* #	NASA-CASE-LAR-10000	c 14	N73-30394* #
NASA-CASE-GSC-12263-1	c 74	N79-20857* #	NASA-CASE-HQN-10541-1	c 07	N71-26291* #	NASA-CASE-LAR-10007-1	c 05	N71-11195* #
NASA-CASE-GSC-12273-1	c 35	N80-21719* #	NASA-CASE-HQN-10541-2	c 15	N71-27135* #	NASA-CASE-LAR-10031	c 15	N72-22484* #
NASA-CASE-GSC-12274-1	c 37	N79-28550* #	NASA-CASE-HQN-10541-3	c 23	N72-23695* #	NASA-CASE-LAR-10056	c 05	N71-12351* #

NASA-CASE-LAR-10061-1	c 15	N72-31483* #	NASA-CASE-LAR-10670-1	c 06	N73-30097* #	NASA-CASE-LAR-11649-1	c 51	N77-27677* #
NASA-CASE-LAR-10073-1	c 37	N76-24575* #	NASA-CASE-LAR-10670-2	c 15	N74-27360* #	NASA-CASE-LAR-11658-1	c 37	N77-14478* #
NASA-CASE-LAR-10076-1	c 05	N73-20137* #	NASA-CASE-LAR-10682-1	c 02	N73-26004* #	NASA-CASE-LAR-11667-1	c 52	N76-19785* #
NASA-CASE-LAR-10083-1	c 15	N71-27006* #	NASA-CASE-LAR-10686	c 14	N71-28935* #	NASA-CASE-LAR-11674-1	c 07	N76-18117* #
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NASA-CASE-LAR-10098	c 32	N71-26681* #	NASA-CASE-LAR-10717-1	c 21	N73-30641* #	NASA-CASE-LAR-11688-1	c 24	N82-26384* #
NASA-CASE-LAR-10102-1	c 05	N72-23085* #	NASA-CASE-LAR-10726-1	c 14	N73-20475* #	NASA-CASE-LAR-11690-1	c 35	N80-14371* #
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NASA-CASE-LAR-10121-1	c 15	N71-26721* #	NASA-CASE-LAR-10753-1	c 08	N74-30421* #	NASA-CASE-LAR-11711-1	c 74	N78-17866* #
NASA-CASE-LAR-10128-1	c 08	N73-20217* #	NASA-CASE-LAR-10756-1	c 32	N73-26910* #	NASA-CASE-LAR-11726-1	c 37	N76-27568* #
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NASA-CASE-LAR-10135-1	c 09	N79-21083* #	NASA-CASE-LAR-10774	c 10	N71-13545* #	NASA-CASE-LAR-11782-1	c 74	N77-20882* #
NASA-CASE-LAR-10137-1	c 09	N72-22204* #	NASA-CASE-LAR-10776-1	c 02	N74-10034* #	NASA-CASE-LAR-11797-1	c 05	N81-19087* #
NASA-CASE-LAR-10163-1	c 09	N72-25247* #	NASA-CASE-LAR-10782-1	c 31	N74-14133* #	NASA-CASE-LAR-11821-1	c 26	N80-28492* #
NASA-CASE-LAR-10168-1	c 33	N74-22865* #	NASA-CASE-LAR-10782-2	c 31	N75-13111* #	NASA-CASE-LAR-11825-1	c 35	N77-22449* #
NASA-CASE-LAR-10170-1	c 37	N74-11301* #	NASA-CASE-LAR-10799-2	c 34	N76-17317* #	NASA-CASE-LAR-11827-1	c 32	N77-10392* #
NASA-CASE-LAR-10173-1	c 27	N71-14090* #	NASA-CASE-LAR-10800-1	c 33	N72-27959* #	NASA-CASE-LAR-11828-1	c 27	N78-32261* #
NASA-CASE-LAR-10176-1	c 14	N72-20380* #	NASA-CASE-LAR-10805-2	c 34	N77-18382* #	NASA-CASE-LAR-11855-1	c 37	N81-14319* #
NASA-CASE-LAR-10180-1	c 06	N71-13461* #	NASA-CASE-LAR-10806-1	c 35	N74-32877* #	NASA-CASE-LAR-11859-1	c 35	N79-14349* #
NASA-CASE-LAR-10184	c 14	N72-22445* #	NASA-CASE-LAR-10812-1	c 09	N74-17955* #	NASA-CASE-LAR-11868-2	c 08	N79-14108* #
NASA-CASE-LAR-10193-1	c 15	N71-27146* #	NASA-CASE-LAR-10815-1	c 16	N72-22520* #	NASA-CASE-LAR-11869-1	c 74	N78-27904* #
NASA-CASE-LAR-10194-1	c 34	N74-30608* #	NASA-CASE-LAR-10836-1	c 26	N72-27784* #	NASA-CASE-LAR-11883-1	c 09	N77-27131* #
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NASA-CASE-LAR-10204	c 14	N71-27215* #	NASA-CASE-LAR-10862-1	c 35	N74-15092* #	NASA-CASE-LAR-11898-1	c 24	N78-10214* #
NASA-CASE-LAR-10208-1	c 35	N76-18400* #	NASA-CASE-LAR-10868-1	c 33	N74-11050* #	NASA-CASE-LAR-11898-2	c 24	N78-17149* #
NASA-CASE-LAR-10218-1	c 09	N70-34559* #	NASA-CASE-LAR-10894-1	c 18	N73-14584* #	NASA-CASE-LAR-11900-1	c 37	N79-14382* #
NASA-CASE-LAR-10226-1	c 14	N73-19419* #	NASA-CASE-LAR-10900-1	c 37	N74-23064* #	NASA-CASE-LAR-11902-1	c 27	N78-17206* #
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NASA-CASE-LAR-12709-1	c 35	N82-28604* #	NASA-CASE-LEW-11076-1	c 37	N74-21061* #	NASA-CASE-LEW-12159-1	c 44	N78-19599* #
NASA-CASE-LAR-12719-1	c 26	N82-31508* #	NASA-CASE-LEW-11076-2	c 37	N74-32921* #	NASA-CASE-LEW-12164-1	c 36	N77-32478* #
NASA-CASE-LAR-12720-1	c 44	N83-21504* #	NASA-CASE-LEW-11076-3	c 37	N75-30562* #	NASA-CASE-LEW-12174-2	c 35	N79-14346* #
NASA-CASE-LAR-12723-1	c 27	N81-15107* #	NASA-CASE-LEW-11076-4	c 37	N76-15461* #	NASA-CASE-LEW-12185-1	c 44	N78-25528* #
NASA-CASE-LAR-12728-1	c 35	N83-12398* #	NASA-CASE-LEW-11087-1	c 15	N73-30458* #	NASA-CASE-LEW-12217-1	c 43	N78-14452* #
NASA-CASE-LAR-12729-1	c 37	N82-26676* #	NASA-CASE-LEW-11087-2	c 37	N74-15128* #	NASA-CASE-LEW-12220-1	c 44	N77-14581* #
NASA-CASE-LAR-12738-1	c 18	N82-33419* #	NASA-CASE-LEW-11087-3	c 37	N74-21064* #	NASA-CASE-LEW-12232-1	c 07	N79-10057* #
NASA-CASE-LAR-12742-1	c 24	N81-12174* #	NASA-CASE-LEW-11101-1	c 31	N73-32750* #	NASA-CASE-LEW-12236-2	c 44	N79-14528* #
NASA-CASE-LAR-12743-1	c 35	N82-32661* #	NASA-CASE-LEW-11118-1	c 20	N74-32919* #	NASA-CASE-LEW-12245-1	c 26	N77-20201* #
NASA-CASE-LAR-12744-1	c 37	N81-31551* #	NASA-CASE-LEW-11118-2	c 20	N76-14191* #	NASA-CASE-LEW-12252-1	c 34	N79-13288* #
NASA-CASE-LAR-12750-1	c 02	N81-19016* #	NASA-CASE-LEW-11152-1	c 15	N73-32359* #	NASA-CASE-LEW-12253-1	c 74	N83-19596* #
NASA-CASE-LAR-12751-1	c 37	N82-26675* #	NASA-CASE-LEW-11158-1	c 37	N77-28486* #	NASA-CASE-LEW-12258-1	c 52	N77-28716* #
NASA-CASE-LAR-12772-1	c 33	N83-16626* #	NASA-CASE-LEW-11159-1	c 14	N73-28488* #	NASA-CASE-LEW-12270-1	c 26	N77-32280* #
NASA-CASE-LAR-12775-1	c 27	N82-25384* #	NASA-CASE-LEW-11162-1	c 33	N74-12913* #	NASA-CASE-LEW-12274-1	c 37	N80-31790* #
NASA-CASE-LAR-12785-1	c 34	N82-24448* #	NASA-CASE-LEW-11169-1	c 37	N76-23570* #	NASA-CASE-LEW-12286-1	c 33	N80-19425* #
NASA-CASE-LAR-12786-1	c 37	N82-20545* #	NASA-CASE-LEW-11179-1	c 27	N76-16229* #	NASA-CASE-LEW-12296-1	c 33	N82-26568* #
NASA-CASE-LAR-12787-1	c 05	N82-25240* #	NASA-CASE-LEW-11180-1	c 25	N75-25760* #	NASA-CASE-LEW-12312-1	c 07	N77-32148* #
NASA-CASE-LAR-12801-1	c 37	N82-20544* #	NASA-CASE-LEW-11187-1	c 28	N73-19793* #	NASA-CASE-LEW-12313-1	c 37	N78-10468* #
NASA-CASE-LAR-12838-1	c 27	N82-26463* #	NASA-CASE-LEW-11188-1	c 02	N74-20646* #	NASA-CASE-LEW-12317-1	c 07	N78-17055* #
NASA-CASE-LAR-12843-1	c 05	N82-33372* #	NASA-CASE-LEW-11192-1	c 09	N73-13208* #	NASA-CASE-LEW-12321-1	c 37	N78-10467* #
NASA-CASE-LAR-12847-1	c 33	N83-16633* #	NASA-CASE-LEW-11227-1	c 73	N75-30876* #	NASA-CASE-LEW-12358-1	c 44	N79-17313* #
NASA-CASE-LAR-12858-1	c 27	N83-13259* #	NASA-CASE-LEW-11262-1	c 27	N74-13270* #	NASA-CASE-LEW-12358-2	c 25	N82-21268* #
NASA-CASE-LAR-12860-1	c 05	N82-26278* #	NASA-CASE-LEW-11267-1	c 17	N73-32414* #	NASA-CASE-LEW-12364-1	c 44	N77-22606* #
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NASA-CASE-LAR-12875-1	c 37	N83-20156* #	NASA-CASE-LEW-11358	c 03	N71-26084* #	NASA-CASE-LEW-12419-1	c 07	N77-14025* #
NASA-CASE-LAR-12881-1	c 27	N82-26464* #	NASA-CASE-LEW-11359-2	c 03	N72-20034* #	NASA-CASE-LEW-12441-1	c 34	N79-13289* #
NASA-CASE-LAR-12882-1	c 54	N81-31848* #	NASA-CASE-LEW-11359	c 03	N71-28579* #	NASA-CASE-LEW-12441-2	c 34	N80-24573* #
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NASA-CASE-LAR-12889-1	c 33	N81-31483* #	NASA-CASE-LEW-11388-1	c 15	N73-32358* #	NASA-CASE-LEW-12443-1	c 44	N81-19561* #
NASA-CASE-LAR-12893-1	c 33	N82-26573* #	NASA-CASE-LEW-11388-2	c 37	N74-21055* #	NASA-CASE-LEW-12444-1	c 33	N77-28385* #
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NASA-CASE-LAR-12931-1	c 23	N83-17590* #	NASA-CASE-LEW-11390-3	c 25	N76-29379* #	NASA-CASE-LEW-12452-1	c 07	N78-25089* #
NASA-CASE-LAR-12958-1	c 44	N83-18025* #	NASA-CASE-LEW-11402-1	c 07	N74-28226* #	NASA-CASE-LEW-12465-1	c 25	N78-25148* #
NASA-CASE-LAR-12966-1	c 71	N83-12969* #	NASA-CASE-LEW-11484-1	c 24	N75-33181* #	NASA-CASE-LEW-12477-1	c 37	N77-32501* #
NASA-CASE-LAR-12967-1	c 35	N83-12397* #	NASA-CASE-LEW-11496-1	c 44	N77-14580* #	NASA-CASE-LEW-12493-1	c 24	N81-17170* #
NASA-CASE-LAR-12971-1	c 47	N83-14863* #	NASA-CASE-LEW-11531	c 15	N71-14932* #	NASA-CASE-LEW-12493-2	c 24	N81-26179* #
NASA-CASE-LAR-12980-1	c 27	N83-21143* #	NASA-CASE-LEW-11549-1	c 44	N77-19571* #	NASA-CASE-LEW-12496-1	c 07	N78-33101* #
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NASA-CASE-LAR-13006-1	c 17	N83-20995* #	NASA-CASE-LEW-11573-1	c 26	N77-28265* #	NASA-CASE-LEW-12508-3	c 34	N82-24449* #
			NASA-CASE-LEW-11581-1	c 54	N75-13531* #	NASA-CASE-LEW-12513-1	c 25	N79-22235* #
NASA-CASE-LEW-10106-1	c 28	N71-26642* #	NASA-CASE-LEW-11583-1	c 35	N79-17192* #	NASA-CASE-LEW-12527-1	c 37	N77-32500* #
NASA-CASE-LEW-10155-1	c 09	N71-29035* #	NASA-CASE-LEW-11593-1	c 20	N76-14190* #	NASA-CASE-LEW-12541-1	c 44	N78-25529* #
NASA-CASE-LEW-10199-1	c 27	N74-23125* #	NASA-CASE-LEW-11617-1	c 33	N74-10195* #	NASA-CASE-LEW-12542-2	c 26	N79-22271* #
NASA-CASE-LEW-10210-1	c 28	N71-26781* #	NASA-CASE-LEW-11632-2	c 35	N75-13213* #	NASA-CASE-LEW-12542-3	c 26	N80-32484* #
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NASA-CASE-LEW-10233	c 10	N71-27126* #	NASA-CASE-LEW-11669-1	c 05	N73-27062* #	NASA-CASE-LEW-12552-1	c 44	N78-25527* #
NASA-CASE-LEW-10250-1	c 22	N71-28759* #	NASA-CASE-LEW-11672-1	c 37	N74-27904* #	NASA-CASE-LEW-12552-2	c 44	N79-11472* #
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NASA-CASE-LEW-10281-1	c 14	N72-17327* #	NASA-CASE-LEW-11694-1	c 20	N75-18310* #	NASA-CASE-LEW-12569-1	c 37	N79-10418* #
NASA-CASE-LEW-10286-1	c 28	N71-28915* #	NASA-CASE-LEW-11694-2					

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NASA-CASE-LEW-12590-1	c 25	N81-19245* #	NASA-CASE-LEW-13620-1	c 44	N83-13579* #	NASA-CASE-MFS-20299	c 15	N72-11392* #
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NASA-CASE-LEW-12608-1	c 07	N77-27116* #	NASA-CASE-LEW-13639-1	c 27	N82-33522* #	NASA-CASE-MFS-20325	c 28	N71-27095* #
NASA-CASE-LEW-12619-1	c 24	N77-19171* #	NASA-CASE-LEW-13639-2	c 26	N83-17683* #	NASA-CASE-MFS-20332-2	c 05	N73-25125* #
NASA-CASE-LEW-12649-1	c 44	N78-25530* #	NASA-CASE-LEW-13653-1	c 44	N82-22672* #	NASA-CASE-MFS-20332	c 05	N72-20097* #
NASA-CASE-LEW-12658-1	c 71	N79-14871* #	NASA-CASE-LEW-13654-1	c 07	N83-14129* #	NASA-CASE-MFS-20333	c 09	N71-13486* #
NASA-CASE-LEW-12661-1	c 35	N79-14345* #	NASA-CASE-LEW-13717-1	c 39	N83-20284* #	NASA-CASE-MFS-20335-1	c 35	N74-10415* #
NASA-CASE-LEW-12668-1	c 52	N78-14773* #	NASA-CASE-LEW-13736-1	c 33	N83-17802* #	NASA-CASE-MFS-20355	c 33	N71-25353* #
NASA-CASE-LEW-12718-1	c 34	N78-25351* #	NASA-CASE-LEW-13758-1	c 24	N83-12176* #	NASA-CASE-MFS-20385	c 09	N71-24904* #
NASA-CASE-LEW-12723-1	c 52	N80-18690* #	NASA-CASE-LEW-13770-1	c 27	N83-13258* #	NASA-CASE-MFS-20386	c 21	N71-19212* #
NASA-CASE-LEW-12760-1	c 07	N77-17059* #	NASA-CASE-LEW-13826-1	c 24	N82-26385* #	NASA-CASE-MFS-20395	c 15	N71-24903* #
NASA-CASE-LEW-12775-1	c 44	N79-11468* #	NASA-CASE-LEW-13864-1	c 27	N83-17715* #	NASA-CASE-MFS-20400	c 31	N71-18611* #
NASA-CASE-LEW-12780-1	c 20	N79-20179* #	NASA-CASE-LEW-13881-1	c 72	N83-21903* #	NASA-CASE-MFS-20407	c 09	N73-19235* #
NASA-CASE-LEW-12785-1	c 37	N78-24545* #	NASA-CASE-LEW-13934-1	c 31	N83-19949* #	NASA-CASE-MFS-20408	c 18	N73-12604* #
NASA-CASE-LEW-12791-1	c 33	N78-32341* #	NASA-CASE-LEW-23169-2	c 26	N81-16209* #	NASA-CASE-MFS-20410	c 15	N71-19214* #
NASA-CASE-LEW-12793-1	c 37	N79-11403* #				NASA-CASE-MFS-20413	c 15	N72-21463* #
NASA-CASE-LEW-12806-2	c 44	N81-12542* #	NASA-CASE-MFS-06074	c 15	N71-20393* #	NASA-CASE-MFS-20418	c 14	N73-24473* #
NASA-CASE-LEW-12819-1	c 44	N79-11467* #	NASA-CASE-MFS-07369	c 15	N71-20443* #	NASA-CASE-MFS-20423	c 15	N72-11388* #
NASA-CASE-LEW-12819-2	c 44	N79-18444* #	NASA-CASE-MFS-10068	c 10	N71-25139* #	NASA-CASE-MFS-20433	c 15	N72-28496* #
NASA-CASE-LEW-12830-1	c 07	N77-23106* #	NASA-CASE-MFS-10340	c 15	N71-17628* #	NASA-CASE-MFS-20434	c 11	N72-25288* #
NASA-CASE-LEW-12876-1	c 27	N80-26447* #	NASA-CASE-MFS-10412	c 12	N71-17578* #	NASA-CASE-MFS-20453	c 15	N71-29133* #
NASA-CASE-LEW-12892-1	c 44	N83-14692* #	NASA-CASE-MFS-10506	c 06	N73-30100* #	NASA-CASE-MFS-20482	c 15	N72-22492* #
NASA-CASE-LEW-12905-1	c 26	N78-18183* #	NASA-CASE-MFS-10507	c 06	N73-30101* #	NASA-CASE-MFS-20485	c 14	N72-11365* #
NASA-CASE-LEW-12906-1	c 26	N77-32279* #	NASA-CASE-MFS-10509	c 06	N73-30103* #	NASA-CASE-MFS-20486-2	c 27	N74-17283* #
NASA-CASE-LEW-12907-2	c 07	N81-19115* #	NASA-CASE-MFS-10512	c 06	N73-30099* #	NASA-CASE-MFS-20506-1	c 35	N75-12273* #
NASA-CASE-LEW-12916-1	c 37	N78-17384* #	NASA-CASE-MFS-10555	c 11	N71-19494* #	NASA-CASE-MFS-20509	c 11	N72-17183* #
NASA-CASE-LEW-12917-1	c 07	N78-18067* #	NASA-CASE-MFS-10946-1	c 31	N79-21226* #	NASA-CASE-MFS-20523	c 14	N72-27412* #
NASA-CASE-LEW-12918-1	c 44	N81-24521* #	NASA-CASE-MFS-11132	c 15	N71-17649* #	NASA-CASE-MFS-20546-2	c 14	N73-30389* #
NASA-CASE-LEW-12918-1	c 24	N83-10117* #	NASA-CASE-MFS-11133	c 31	N71-16222* #	NASA-CASE-MFS-20586	c 15	N71-17686* #
NASA-CASE-LEW-12919-2	c 24	N82-26386* #	NASA-CASE-MFS-11204	c 14	N71-29134* #	NASA-CASE-MFS-20589	c 25	N72-32688* #
NASA-CASE-LEW-12933-1	c 27	N81-19296* #	NASA-CASE-MFS-11279	c 16	N71-20400* #	NASA-CASE-MFS-20596	c 14	N72-17324* #
NASA-CASE-LEW-12938-1	c 07	N82-32366* #	NASA-CASE-MFS-11492	c 06	N73-30102* #	NASA-CASE-MFS-20607-1	c 37	N76-19436* #
NASA-CASE-LEW-12940-1	c 72	N80-33186* #	NASA-CASE-MFS-11497	c 28	N71-16224* #	NASA-CASE-MFS-20619	c 28	N72-11708* #
NASA-CASE-LEW-12941-1	c 26	N83-10170* #	NASA-CASE-MFS-11537	c 14	N71-20442* #	NASA-CASE-MFS-20620	c 11	N72-27262* #
NASA-CASE-LEW-12950-1	c 34	N82-11399* #	NASA-CASE-MFS-12750	c 27	N71-16223* #	NASA-CASE-MFS-20642	c 14	N72-21407* #
NASA-CASE-LEW-12955-1	c 52	N80-14684* #	NASA-CASE-MFS-12805	c 15	N71-17805* #	NASA-CASE-MFS-20645-1	c 37	N74-20370* #
NASA-CASE-LEW-12971-1	c 07	N80-18039* #	NASA-CASE-MFS-12806	c 14	N71-17588* #	NASA-CASE-MFS-20658-1	c 14	N73-30368* #
NASA-CASE-LEW-12972-1	c 44	N79-25481* #	NASA-CASE-MFS-12827	c 14	N71-17556* #	NASA-CASE-MFS-20673	c 14	N73-20476* #
NASA-CASE-LEW-12982-1	c 37	N81-19455* #	NASA-CASE-MFS-12915	c 11	N71-17600* #	NASA-CASE-MFS-20675	c 26	N73-26751* #
NASA-CASE-LEW-12989-1	c 37	N82-12442* #	NASA-CASE-MFS-13046	c 07	N71-19433* #	NASA-CASE-MFS-20698-2	c 15	N73-19457* #
NASA-CASE-LEW-12990-1	c 07	N81-29129* #	NASA-CASE-MFS-13130	c 10	N72-17173* #	NASA-CASE-MFS-20698	c 15	N72-20446* #
NASA-CASE-LEW-12991-1	c 37	N81-24442* #	NASA-CASE-MFS-13532	c 18	N72-17532* #	NASA-CASE-MFS-20710	c 11	N72-23215* #
NASA-CASE-LEW-12995-1	c 37	N80-26659* #	NASA-CASE-MFS-13686	c 15	N71-18132* #	NASA-CASE-MFS-20730-1	c 39	N74-13131* #
NASA-CASE-LEW-13027-1	c 27	N80-24437* #	NASA-CASE-MFS-13687-2	c 09	N72-22198* #	NASA-CASE-MFS-20757	c 09	N72-28225* #
NASA-CASE-LEW-13028-1	c 27	N82-33521* #	NASA-CASE-MFS-13687	c 09	N71-28691* #	NASA-CASE-MFS-20760	c 14	N72-33377* #
NASA-CASE-LEW-13050-1	c 07	N79-14095* #	NASA-CASE-MFS-13929	c 15	N71-27091* #	NASA-CASE-MFS-20761-1	c 44	N74-27519* #
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NASA-CASE-LEW-13088-1	c 26	N81-25188* #	NASA-CASE-MFS-13994-2	c 06	N72-25148* #	NASA-CASE-MFS-20774	c 14	N73-19420* #
NASA-CASE-LEW-13101-2	c 23	N81-29160* #	NASA-CASE-MFS-14017	c 14	N71-26627* #	NASA-CASE-MFS-20775-1	c 31	N75-12161* #
NASA-CASE-LEW-13102-1	c 44	N81-29531* #	NASA-CASE-MFS-14023	c 33	N71-25351* #	NASA-CASE-MFS-20809	c 23	N73-13680* #
NASA-CASE-LEW-13103-1	c 27	N80-32516* #	NASA-CASE-MFS-14114-2	c 09	N71-24807* #	NASA-CASE-MFS-20823-1	c 16	N73-30476* #
NASA-CASE-LEW-13107-1	c 52	N83-21785* #	NASA-CASE-MFS-14114	c 33	N71-27862* #	NASA-CASE-MFS-20829	c 12	N72-21310* #
NASA-CASE-LEW-13107-2	c 52	N83-20539* #	NASA-CASE-MFS-14216	c 14	N73-13418* #	NASA-CASE-MFS-20830	c 15	N71-30028* #
NASA-CASE-LEW-13120-1	c 27	N82-28440* #	NASA-CASE-MFS-14253	c 33	N71-24858* #	NASA-CASE-MFS-20831	c 28	N71-29153* #
NASA-CASE-LEW-13131-1	c 44	N83-10494* #	NASA-CASE-MFS-14259	c 15	N71-19213* #	NASA-CASE-MFS-20855-1	c 15	N77-10112* #
NASA-CASE-LEW-13132-1	c 44	N81-27616* #	NASA-CASE-MFS-14322	c 08	N71-18692* #	NASA-CASE-MFS-20855	c 15	N73-32437* #
NASA-CASE-LEW-13135-2	c 27	N81-24257* #	NASA-CASE-MFS-14405	c 15	N72-28495* #	NASA-CASE-MFS-20861-1	c 18	N73-32437* #
NASA-CASE-LEW-13142-1	c 07	N83-14130* #	NASA-CASE-MFS-14610	c 09	N71-28886* #	NASA-CASE-MFS-20863	c 31	N73-26876* #
NASA-CASE-LEW-13148-1	c 33	N80-20487* #	NASA-CASE-MFS-14671	c 05	N71-12341* #	NASA-CASE-MFS-20890	c 14	N72-22439* #
NASA-CASE-LEW-13148-2	c 44	N81-29524* #	NASA-CASE-MFS-14685	c 31	N71-15689* #	NASA-CASE-MFS-20916	c 14	N73-25460* #
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NASA-CASE-XMS-07487	c 15	N71-23255*	NASA-CASE-XNP-01412	c 15	N70-42034* #	NASA-CASE-XNP-04780	c 08	N71-19687*
NASA-CASE-XMS-07846-1	c 09	N69-21927* #	NASA-CASE-XNP-01458	c 04	N78-17031* #	NASA-CASE-XNP-04816	c 06	N69-39936* #
NASA-CASE-XMS-07859-1	c 09	N71-20569*	NASA-CASE-XNP-01464	c 03	N71-10728* #	NASA-CASE-XNP-04817	c 14	N71-23225*
NASA-CASE-XMS-09310	c 15	N71-22706*	NASA-CASE-XNP-01466	c 10	N71-26434*	NASA-CASE-XNP-04819	c 08	N71-23295*
NASA-CASE-XMS-09352	c 09	N71-23316*	NASA-CASE-XNP-01472	c 14	N70-41807* #	NASA-CASE-XNP-04969	c 11	N69-27466* #
NASA-CASE-XMS-09571	c 05	N71-19439*	NASA-CASE-XNP-01501	c 21	N70-41930* #	NASA-CASE-XNP-05082	c 15	N70-41960* #
NASA-CASE-XMS-09610	c 07	N71-24625*	NASA-CASE-XNP-01567	c 15	N70-41310* #	NASA-CASE-XNP-05219	c 16	N71-15550*
NASA-CASE-XMS-09632-1	c 05	N71-11203* #	NASA-CASE-XNP-01641	c 15	N71-22997*	NASA-CASE-XNP-05231	c 14	N73-28491* #
NASA-CASE-XMS-09635	c 05	N71-24623*	NASA-CASE-XNP-01659	c 14	N71-23039*	NASA-CASE-XNP-05254	c 07	N71-20791*
NASA-CASE-XMS-09636	c 05	N71-12344* #	NASA-CASE-XNP-01660	c 14	N71-23036*	NASA-CASE-XNP-05297	c 15	N71-23811*
NASA-CASE-XMS-09637-1	c 05	N71-24730*	NASA-CASE-XNP-01735	c 07	N71-22750*	NASA-CASE-XNP-05381	c 09	N71-20842*
NASA-CASE-XMS-09652-1	c 05	N71-26333*	NASA-CASE-XNP-01747	c 15	N71-23024*	NASA-CASE-XNP-05382	c 10	N71-23544*
NASA-CASE-XMS-09653	c 54	N78-17680* #	NASA-CASE-XNP-01749	c 27	N70-41897* #	NASA-CASE-XNP-05415	c 08	N71-12505* #
NASA-CASE-XMS-09690	c 33	N72-25913* #	NASA-CASE-XNP-01753	c 08	N71-22897*	NASA-CASE-XNP-05429	c 28	N71-21824*
NASA-CASE-XMS-09691-1	c 18	N71-15545*	NASA-CASE-XNP-01848	c 15	N71-28959*	NASA-CASE-XNP-05524	c 33	N71-24876*
NASA-CASE-XMS-10269	c 05	N71-24147*	NASA-CASE-XNP-01855	c 15	N71-28937*	NASA-CASE-XNP-05530	c 14	N73-32321* #
NASA-CASE-XMS-10660-1	c 15	N71-25975*	NASA-CASE-XNP-01851	c 09	N70-41929* #	NASA-CASE-XNP-05535	c 14	N71-23040*
NASA-CASE-XMS-10984-1	c 10	N71-19417*	NASA-CASE-XNP-01954	c 28	N71-28850*	NASA-CASE-XNP-05612	c 09	N69-21468* #
NASA-CASE-XMS-10993	c 15	N71-28936*	NASA-CASE-XNP-01959	c 26	N71-23043*	NASA-CASE-XNP-05634	c 15	N71-24834*
NASA-CASE-XMS-12158-1	c 31	N69-27499* #	NASA-CASE-XNP-01960	c 09	N71-23027*	NASA-CASE-XNP-05821	c 03	N71-11056* #
NASA-CASE-XMS-13052	c 14	N71-20427*	NASA-CASE-XNP-01961	c 26	N71-29156*	NASA-CASE-XNP-05975	c 15	N69-23185* #
NASA-CASE-XNP-00214	c 15	N70-36908* #	NASA-CASE-XNP-01962	c 32	N70-41370* #	NASA-CASE-XNP-06028	c 09	N71-23189*
NASA-CASE-XNP-00217	c 28	N70-38181* #	NASA-CASE-XNP-02029	c 14	N70-41955* #	NASA-CASE-XNP-06031	c 15	N71-15606* #
NASA-CASE-XNP-00234	c 28	N70-38645* #	NASA-CASE-XNP-02092	c 15	N70-42033* #	NASA-CASE-XNP-06032	c 09	N69-21926* #
NASA-CASE-XNP-00249	c 28	N70-38249* #	NASA-CASE-XNP-02139	c 18	N71-24184*	NASA-CASE-XNP-06234	c 10	N71-27137*
NASA-CASE-XNP-00250	c 11	N71-28779*	NASA-CASE-XNP-02140	c 09	N71-23097*	NASA-CASE-XNP-06503	c 23	N71-29049*
NASA-CASE-XNP-00294	c 21	N70-36938* #	NASA-CASE-XNP-02251	c 12	N71-20896*	NASA-CASE-XNP-06505	c 10	N71-24799*
NASA-CASE-XNP-00384	c 09	N71-13530* #	NASA-CASE-XNP-02278	c 15	N71-28951*	NASA-CASE-XNP-06506	c 03	N71-11050* #
NASA-CASE-XNP-00416	c 15	N70-36947* #	NASA-CASE-XNP-02340	c 23	N69-24332* #	NASA-CASE-XNP-06507	c 09	N71-23548*
NASA-CASE-XNP-00425	c 11	N70-38202* #	NASA-CASE-XNP-02389	c 15	N71-21531*	NASA-CASE-XNP-06508	c 18	N69-39895* #
NASA-CASE-XNP-00431	c 09	N70-38998* #	NASA-CASE-XNP-02500	c 07	N71-28900*	NASA-CASE-XNP-06509	c 14	N71-23226*
NASA-CASE-XNP-00432	c 08	N70-35423* #	NASA-CASE-XNP-02507	c 18	N71-27397*	NASA-CASE-XNP-06510	c 14	N71-23797*
NASA-CASE-XNP-00438	c 21	N70-35089* #	NASA-CASE-XNP-02588	c 31	N71-17679*	NASA-CASE-XNP-06611	c 07	N71-26102*
NASA-CASE-XNP-00449	c 14	N70-35220* #	NASA-CASE-XNP-02592	c 15	N71-18613* #	NASA-CASE-XNP-06914	c 15	N71-21489*
NASA-CASE-XNP-00450	c 15	N70-38603* #	NASA-CASE-XNP-02595	c 24	N71-20518*	NASA-CASE-XNP-06933	c 14	N73-32321* #
NASA-CASE-XNP-00459	c 11	N70-38675* #	NASA-CASE-XNP-02654	c 31	N71-21881*	NASA-CASE-XNP-06936	c 15	N71-24695*
NASA-CASE-XNP-00463	c 33	N70-36847* #	NASA-CASE-XNP-02713	c 10	N70-42032* #	NASA-CASE-XNP-06937	c 09	N71-19516*
NASA-CASE-XNP-00465	c 21	N70-35395* #	NASA-CASE-XNP-02723	c 10	N69-39888* #	NASA-CASE-XNP-06942	c 28	N71-23293*
NASA-CASE-XNP-00476	c 15	N70-38620* #	NASA-CASE-XNP-02748	c 07	N70-41880* #	NASA-CASE-XNP-06957	c 14	N71-21088*
NASA-CASE-XNP-00477	c 08	N73-28045* #	NASA-CASE-XNP-02778	c 08	N71-22749*	NASA-CASE-XNP-07040	c 08	N71-12500* #
NASA-CASE-XNP-00540	c 09	N70-35382* #	NASA-CASE-XNP-02791	c 08	N71-22710*	NASA-CASE-XNP-07169	c 15	N73-32362* #
NASA-CASE-XNP-00595	c 15	N70-34967* #	NASA-CASE-XNP-02792	c 07	N71-23026*	NASA-CASE-XNP-07477	c 09	N71-26092*
NASA-CASE-XNP-00597	c 18	N71-23088*	NASA-CASE-XNP-02792	c 14	N71-28958*	NASA-CASE-XNP-07478	c 14	N69-21929* #
NASA-CASE-XNP-00610	c 28	N70-36910* #	NASA-CASE-XNP-02839	c 28	N70-41922* #	NASA-CASE-XNP-07481	c 25	N69-21929* #
NASA-CASE-XNP-00611	c 28	N70-36910* #	NASA-CASE-XNP-02862-1	c 15	N71-26294*	NASA-CASE-XNP-07659	c 06	N71-22975*
NASA-CASE-XNP-00612	c 09	N70-35219* #	NASA-CASE-XNP-02888	c 18	N71-21068*	NASA-CASE-XNP-08124-2	c 06	N73-13129* #
NASA-CASE-XNP-00614	c 11	N70-38182* #	NASA-CASE-XNP-02899-1	c 33	N79-21265* #	NASA-CASE-XNP-08124	c 15	N71-27184*
NASA-CASE-XNP-00637	c 14	N70-36907* #	NASA-CASE-XNP-02923	c 07	N71-23081*	NASA-CASE-XNP-08274	c 10	N71-13537* #
NASA-CASE-XNP-00644	c 14	N70-40273* #	NASA-CASE-XNP-02982	c 28	N71-23081*	NASA-CASE-XNP-08567	c 09	N71-26000*
NASA-CASE-XNP-00646	c 03	N70-36803* #	NASA-CASE-XNP-02983	c 31	N70-41855* #	NASA-CASE-XNP-08680	c 14	N71-22995*
NASA-CASE-XNP-00650	c 14	N70-35666* #	NASA-CASE-XNP-03063	c 14	N71-21091*	NASA-CASE-XNP-08832	c 08	N71-12506* #
NASA-CASE-XNP-00676	c 27	N71-28929*	NASA-CASE-XNP-03128	c 17	N71-23365*	NASA-CASE-XNP-08835-1	c 37	N80-14369* #
NASA-CASE-XNP-00683	c 15	N70-38996* #	NASA-CASE-XNP-03134	c 10	N70-41991* #	NASA-CASE-XNP-08836	c 09	N71-12515* #
NASA-CASE-XNP-00683	c 09	N70-35425* #	NASA-CASE-XNP-03250	c 07	N71-10678* #	NASA-CASE-XNP-08837	c 18	N71-16210*
NASA-CASE-XNP-00708	c 06	N71-23500*	NASA-CASE-XNP-03263	c 06	N71-23500*	NASA-CASE-XNP-08840	c 23	N71-16365*
NASA-CASE-XNP-00710	c 09	N71-18843*	NASA-CASE-XNP-03282	c 09	N71-18843*	NASA-CASE-XNP-08875	c 10	N71-23099*
NASA-CASE-XNP-00732	c 28	N72-20758* #	NASA-CASE-XNP-03332	c 28	N72-20758* #	NASA-CASE-XNP-08876	c 17	N73-28573* #
NASA-CASE-XNP-00733	c 06	N70-34946* #	NASA-CASE-XNP-03378	c 09	N71-10618* #	NASA-CASE-XNP-08877	c 15	N71-23025*
NASA-CASE-XNP-00738	c 09	N70-38201* #	NASA-CASE-XNP-03413	c 03	N71-11051* #	NASA-CASE-XNP-08880	c 09	N71-24808*
NASA-CASE-XNP-00745	c 10	N71-28960*	NASA-CASE-XNP-03459-2	c 03	N71-26726*	NASA-CASE-XNP-08881	c 17	N71-28747*
NASA-CASE-XNP-00746	c 07	N71-21476*	NASA-CASE-XNP-03459	c 18	N71-15688*	NASA-CASE-XNP-08882	c 15	N69-39935* #
NASA-CASE-XNP-00748	c 07	N70-36911* #	NASA-CASE-XNP-03578	c 15	N71-21078*	NASA-CASE-XNP-08883	c 23	N71-16101*
NASA-CASE-XNP-00777	c 10	N71-19469*	NASA-CASE-XNP-03623	c 11	N71-23030*	NASA-CASE-XNP-08897	c 15	N71-17694*
NASA-CASE-XNP-00816	c 28	N71-28928*	NASA-CASE-XNP-03637	c 09	N73-28084* #	NASA-CASE-XNP-08907	c 23	N71-29123*
NASA-CASE-XNP-00826	c 03	N71-20895*	NASA-CASE-XNP-03692	c 15	N71-21311*	NASA-CASE-XNP-08961	c 14	N71-24809*
NASA-CASE-XNP-00840	c 15	N70-38225* #	NASA-CASE-XNP-03744	c 28	N71-24321*	NASA-CASE-XNP-09205	c 14	N71-17657*
NASA-CASE-XNP-00876	c 28	N70-41311* #	NASA-CASE-XNP-03796	c 10	N70-20448*	NASA-CASE-XNP-09225	c 09	N69-24333* #
NASA-CASE-XNP-00911	c 08	N70-41961* #	NASA-CASE-XNP-03835	c 23	N71-15467*	NASA-CASE-XNP-09227	c 15	N69-24319* #
NASA-CASE-XNP-00920	c 15	N71-15906*	NASA-CASE-XNP-03853	c 06	N71-23499*	NASA-CASE-XNP-09228	c 09	N69-27500* #
NASA-CASE-XNP-00952	c 10	N71-23271*	NASA-CASE-XNP-03878	c 23	N71-21882*	NASA-CASE-XNP-09450	c 10	N71-18723*
NASA-CASE-XNP-01012	c 08	N71-28925*	NASA-CASE-XNP-03914	c 26	N75-27127* #	NASA-CASE-XNP-09451	c 06	N71-26754*
NASA-CASE-XNP-01020	c 03	N71-12260* #	NASA-CASE-XNP-03916	c 21	N71-10771* #	NASA-CASE-XNP-09452	c 15	N69-27504* #
NASA-CASE-XNP-01056	c 14	N71-23041*	NASA-CASE-XNP-03918	c 09	N71-28810*	NASA-CASE-XNP-09453	c 08	N71-19420*
NASA-CASE-XNP-01057	c 07	N71-15907*	NASA-CASE-XNP-03930	c 14	N71-23087*	NASA-CASE-XNP-09461	c 28	N72-23809* #
NASA-CASE-XNP-01058	c 09	N71-12540* #	NASA-CASE-XNP-03972	c 14	N69-24331* #	NASA-CASE-XNP-09462	c 14	N71-17584*
NASA-CASE-XNP-01059	c 23	N71-21821*	NASA-CASE-XNP-04023	c 15	N71-23048*	NASA-CASE-XNP-09469	c 24	N71-25555*
NASA-CASE-XNP-01068	c 10	N71-28739*	NASA-CASE-XNP-04067	c 06	N71-28808*	NASA-CASE-XNP-09572	c 14	N71-15621* #
NASA-CASE-XNP-01104	c 28	N70-39931* #	NASA-CASE-XNP-04111	c 08	N71-22707*	NASA-CASE-XNP-09698	c 15	N71-18580*
NASA-CASE-XNP-01107	c 10	N71-28859*	NASA-CASE-XNP-04124	c 14	N71-15622* #	NASA-CASE-XNP-09699	c 06	N71-24607*
NASA-CASE-XNP-01152	c 15	N70-41811* #	NASA-CASE-XNP-04148	c 28	N71-21822*	NASA-CASE-XNP-09701	c 14	N71-26475*
NASA-CASE-XNP-01153	c 32	N71-17645*	NASA-CASE-XNP-04161	c 17	N71-24830*	NASA-CASE-XNP-09702	c 15	N71-17654*
NASA-CASE-XNP-01185	c 26	N73-28710* #	NASA-CASE-XNP-04162-1	c 14	N71-15599* #	NASA-CASE-XNP-09704	c 12	N71-18615*
NASA-CASE-XNP-01187	c 15	N73-28516* #	NASA-CASE-XNP-04167-2	c 08	N70-34675* #	NASA-CASE-XNP-09744	c 27	N71-16392*
NASA-CASE-XNP-01188	c 15	N73-32361* #	NASA-CASE-XNP-04167-3	c 25	N72-24753* #	NASA-CASE-XNP-09750	c 14	N69-39937* #
				c 36	N77-19416* #			

NASA-CASE-XNP-09752	c 14	N69-21541* #	US-PATENT-APPL-SN-044429	c 33	N79-25314* #	US-PATENT-APPL-SN-106188	c 27	N80-16163* #
NASA-CASE-XNP-09755	c 46	N74-23069* #	US-PATENT-APPL-SN-044431	c 33	N81-27395* #	US-PATENT-APPL-SN-106192	c 33	N80-21671* #
NASA-CASE-XNP-09759	c 08	N71-24891* #	US-PATENT-APPL-SN-044432	c 52	N81-20703* #	US-PATENT-APPL-SN-106424	c 17	N73-24569* #
NASA-CASE-XNP-09763	c 14	N71-20461* #	US-PATENT-APPL-SN-046739	c 54	N81-24724* #	US-PATENT-APPL-SN-106465	c 30	N73-12884* #
NASA-CASE-XNP-09768	c 09	N71-12516* #	US-PATENT-APPL-SN-051269	c 33	N81-24338* #	US-PATENT-APPL-SN-107298	c 32	N73-13921* #
NASA-CASE-XNP-09770-2	c 15	N72-22483* #	US-PATENT-APPL-SN-051270	c 32	N80-32604* #	US-PATENT-APPL-SN-107376	c 15	N73-25513* #
NASA-CASE-XNP-09770-3	c 11	N71-27036* #	US-PATENT-APPL-SN-051271	c 33	N81-26359* #	US-PATENT-APPL-SN-107379	c 10	N73-33230* #
NASA-CASE-XNP-09770	c 15	N71-20440* #	US-PATENT-APPL-SN-051274	c 34	N81-26402* #	US-PATENT-APPL-SN-107380	c 28	N73-13773* #
NASA-CASE-XNP-09771	c 09	N71-24841* #	US-PATENT-APPL-SN-051275	c 44	N82-24640* #	US-PATENT-APPL-SN-107659	c 23	N73-20741* #
NASA-CASE-XNP-09775	c 09	N71-20445* #	US-PATENT-APPL-SN-051276	c 33	N81-33404* #	US-PATENT-APPL-SN-107866	c 17	N70-36616* #
NASA-CASE-XNP-09776	c 09	N69-39929* #	US-PATENT-APPL-SN-053566	c 09	N82-24212* #	US-PATENT-APPL-SN-107870	c 15	N70-36411* #
NASA-CASE-XNP-09785	c 08	N69-21928* #	US-PATENT-APPL-SN-053569	c 35	N81-19426* #	US-PATENT-APPL-SN-108107	c 37	N82-18601* #
NASA-CASE-XNP-09802	c 33	N71-15641* #	US-PATENT-APPL-SN-053571	c 31	N81-19343* #	US-PATENT-APPL-SN-10812	c 28	N70-40367* #
NASA-CASE-XNP-09808	c 09	N71-12518* #	US-PATENT-APPL-SN-053572	c 32	N82-23376* #	US-PATENT-APPL-SN-10827	c 14	N72-28436* #
NASA-CASE-XNP-09830	c 14	N71-26266* #	US-PATENT-APPL-SN-053652	c 33	N82-18494* #	US-PATENT-APPL-SN-108810	c 33	N77-22366* #
NASA-CASE-XNP-09832	c 30	N71-23723* #	US-PATENT-APPL-SN-054501	c 23	N82-16174* #	US-PATENT-APPL-SN-108824	c 31	N73-13898* #
NASA-CASE-XNP-10007-1	c 46	N74-23068* #	US-PATENT-APPL-SN-057465	c 37	N81-17433* #	US-PATENT-APPL-SN-109789	c 09	N70-34596* #
NASA-CASE-XNP-10475	c 15	N71-24679* #	US-PATENT-APPL-SN-057466	c 71	N81-15767* #	US-PATENT-APPL-SN-110402	c 09	N72-27226* #
NASA-CASE-XNP-10830	c 07	N71-11281* #	US-PATENT-APPL-SN-057526	c 52	N81-25662* #	US-PATENT-APPL-SN-110591	c 15	N70-39896* #
NASA-CASE-XNP-10843	c 07	N71-11267* #	US-PATENT-APPL-SN-060435	c 44	N81-24520* #	US-PATENT-APPL-SN-111436	c 33	N82-26569* #
NASA-CASE-XNP-10854	c 10	N71-26331* #	US-PATENT-APPL-SN-060449	c 07	N82-32366* #	US-PATENT-APPL-SN-111438	c 35	N81-29407* #
NASA-CASE-12761-1	c 74	N83-13982* #	US-PATENT-APPL-SN-061327	c 32	N83-13233* #	US-PATENT-APPL-SN-111439	c 74	N81-24900* #
NASA-CASE-14864-1	c 74	N83-19597* #	US-PATENT-APPL-SN-061555	c 44	N81-29524* #	US-PATENT-APPL-SN-111998	c 21	N73-30640* #
US-PATENT-APPL-SN-003693	c 52	N81-14612* #	US-PATENT-APPL-SN-061556	c 35	N81-19427* #	US-PATENT-APPL-SN-11220	c 14	N73-30389* #
US-PATENT-APPL-SN-006952	c 27	N81-14077* #	US-PATENT-APPL-SN-061822	c 74	N83-19597* #	US-PATENT-APPL-SN-112366	c 06	N72-10138* #
US-PATENT-APPL-SN-007083	c 26	N80-32484* #	US-PATENT-APPL-SN-065676	c 35	N80-18364* #	US-PATENT-APPL-SN-112968	c 07	N72-32169* #
US-PATENT-APPL-SN-008207	c 32	N80-23524* #	US-PATENT-APPL-SN-065677	c 44	N81-12542* #	US-PATENT-APPL-SN-112998	c 14	N73-12445* #
US-PATENT-APPL-SN-008208	c 37	N81-17432* #	US-PATENT-APPL-SN-067595	c 08	N82-24205* #	US-PATENT-APPL-SN-112999	c 23	N72-25619* #
US-PATENT-APPL-SN-008209	c 32	N81-25278* #	US-PATENT-APPL-SN-067596	c 51	N81-28698* #	US-PATENT-APPL-SN-112999	c 32	N79-19186* #
US-PATENT-APPL-SN-008210	c 05	N81-26114* #	US-PATENT-APPL-SN-069485	c 33	N82-24420* #	US-PATENT-APPL-SN-113014	c 27	N81-24257* #
US-PATENT-APPL-SN-008211	c 74	N81-17887* #	US-PATENT-APPL-SN-070366	c 35	N82-11431* #	US-PATENT-APPL-SN-113015	c 37	N82-24491* #
US-PATENT-APPL-SN-008212	c 44	N80-24741* #	US-PATENT-APPL-SN-070771	c 27	N81-17260* #	US-PATENT-APPL-SN-114772	c 04	N76-26175* #
US-PATENT-APPL-SN-009886	c 31	N80-32583* #	US-PATENT-APPL-SN-070774	c 33	N82-26571* #	US-PATENT-APPL-SN-114846	c 14	N73-12444* #
US-PATENT-APPL-SN-009887	c 28	N81-14103* #	US-PATENT-APPL-SN-072857	c 24	N82-32417* #	US-PATENT-APPL-SN-114847	c 15	N72-28496* #
US-PATENT-APPL-SN-009888	c 37	N81-14320* #	US-PATENT-APPL-SN-073477	c 36	N82-32712* #	US-PATENT-APPL-SN-114848	c 11	N72-23215* #
US-PATENT-APPL-SN-009889	c 33	N79-17134* #	US-PATENT-APPL-SN-073579	c 33	N82-24415* #	US-PATENT-APPL-SN-114849	c 09	N72-27227* #
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US-PATENT-APPL-SN-468614	c 60	N77-14751* #	US-PATENT-APPL-SN-487343	c 03	N69-39890* #	US-PATENT-APPL-SN-5114	c 06	N72-25150* #
US-PATENT-APPL-SN-468614	c 60	N77-32731* #	US-PATENT-APPL-SN-487344	c 15	N69-21472* #	US-PATENT-APPL-SN-511564	c 09	N69-39885* #
US-PATENT-APPL-SN-468614	c 60	N78-10709* #	US-PATENT-APPL-SN-487352	c 14	N71-18699* #	US-PATENT-APPL-SN-511567	c 05	N71-12336* #
US-PATENT-APPL-SN-468647	c 21	N71-10771* #	US-PATENT-APPL-SN-487852	c 23	N76-15268* #	US-PATENT-APPL-SN-511887	c 35	N76-15436* #
US-PATENT-APPL-SN-468655	c 15	N69-21471* #	US-PATENT-APPL-SN-487929	c 33	N74-20859* #	US-PATENT-APPL-SN-511894	c 03	N76-32140* #
US-PATENT-APPL-SN-469011	c 11	N69-21540* #	US-PATENT-APPL-SN-487934	c 15	N71-21530* #	US-PATENT-APPL-SN-512352	c 15	N70-33330* #
US-PATENT-APPL-SN-469012	c 25	N71-20747* #	US-PATENT-APPL-SN-487939	c 14	N71-23040* #	US-PATENT-APPL-SN-512509	c 26	N75-27125* #
US-PATENT-APPL-SN-469013	c 14	N69-27423* #	US-PATENT-APPL-SN-487940	c 10	N71-26434* #	US-PATENT-APPL-SN-512559	c 23	N71-22881* #
US-PATENT-APPL-SN-469864	c 37	N83-20157* #	US-PATENT-APPL-SN-488381	c 14	N73-32321* #	US-PATENT-APPL-SN-512561	c 16	N71-25914* #
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US-PATENT-APPL-SN-469866	c 27	N83-21143* #	US-PATENT-APPL-SN-488745	c 26	N75-27127* #	US-PATENT-APPL-SN-512825	c 32	N76-15329* #
US-PATENT-APPL-SN-470113	c 17	N83-20995* #	US-PATENT-APPL-SN-489008	c 23	N75-30256* #	US-PATENT-APPL-SN-51317	c 14	N73-30389* #
US-PATENT-APPL-SN-470428	c 33	N76-16332* #	US-PATENT-APPL-SN-489009	c 33	N76-19339* #	US-PATENT-APPL-SN-513346	c 07	N79-14095* #
US-PATENT-APPL-SN-470429	c 33	N75-31329* #	US-PATENT-APPL-SN-489442	c 25	N69-39884* #	US-PATENT-APPL-SN-513389	c 25	N75-12087* #
US-PATENT-APPL-SN-47061	c 26	N72-25680* #	US-PATENT-APPL-SN-491054	c 14	N71-23174* #	US-PATENT-APPL-SN-513576	c 35	N76-29552* #
US-PATENT-APPL-SN-47062	c 15	N72-17451* #	US-PATENT-APPL-SN-491058	c 09	N71-23443* #	US-PATENT-APPL-SN-513611	c 24	N76-22309* #
US-PATENT-APPL-SN-47063	c 33	N72-25911* #	US-PATENT-APPL-SN-491059	c 09	N71-23015* #	US-PATENT-APPL-SN-513611	c 24	N80-33482* #
US-PATENT-APPL-SN-47063	c 33	N73-25952* #	US-PATENT-APPL-SN-491416	c 35	N75-33368* #	US-PATENT-APPL-SN-513612	c 05	N77-17029* #
US-PATENT-APPL-SN-470902	c 06	N71-28808* #	US-PATENT-APPL-SN-491417	c 37	N76-19437* #	US-PATENT-APPL-SN-513613	c 27	N78-15276* #
US-PATENT-APPL-SN-471154	c 09	N73-28084* #	US-PATENT-APPL-SN-491418	c 31	N76-31365* #	US-PATENT-APPL-SN-513690	c 37	N76-20480* #
US-PATENT-APPL-SN-47120	c 31	N70-33242* #	US-PATENT-APPL-SN-491419	c 32	N76-15330* #	US-PATENT-APPL-SN-514407	c 18	N71-22894* #
US-PATENT-APPL-SN-47121	c 09	N70-39915* #	US-PATENT-APPL-SN-491845	c 28	N71-15659* #	US-PATENT-APPL-SN-514546	c 74	N76-20958* #
US-PATENT-APPL-SN-47122	c 14	N70-34813* #	US-PATENT-APPL-SN-492344	c 05	N71-22896* #	US-PATENT-APPL-SN-51473	c 02	N70-33266* #
US-PATENT-APPL-SN-47123	c 15	N70-34817* #	US-PATENT-APPL-SN-493359	c 20	N76-21275* #	US-PATENT-APPL-SN-51477	c 14	N72-25412* #
US-PATENT-APPL-SN-472066	c 31	N70-42075* #	US-PATENT-APPL-SN-493363	c 33	N76-21390* #	US-PATENT-APPL-SN-515484	c 14	N71-22993* #
US-PATENT-APPL-SN-472372	c 07	N71-20791* #	US-PATENT-APPL-SN-493942	c 14	N71-17659* #	US-PATENT-APPL-SN-516150	c 05	N71-19440* #
US-PATENT-APPL-SN-472643	c 33	N79-21265* #	US-PATENT-APPL-SN-493943	c 15	N71-21529* #	US-PATENT-APPL-SN-516151	c 15	N70-41679* #
US-PATENT-APPL-SN-472747	c 31	N71-16081* #	US-PATENT-APPL-SN-494280	c 28	N71-23081* #	US-PATENT-APPL-SN-516152	c 14	N71-23225* #
US-PATENT-APPL-SN-472775	c 35	N75-33369* #	US-PATENT-APPL-SN-494282	c 15	N69-39735* #	US-PATENT-APPL-SN-516153	c 10	N71-28783* #
US-PATENT-APPL-SN-473498	c 72	N83-21903* #	US-PATENT-APPL-SN-494283	c 31	N71-24035* #	US-PATENT-APPL-SN-516154	c 09	N69-24330* #
US-PATENT-APPL-SN-473499	c 74	N83-21950* #	US-PATENT-APPL-SN-494287	c 03	N71-22974* #	US-PATENT-APPL-SN-516155	c 09	N71-23270* #
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US-PATENT-APPL-SN-473537	c 08	N71-15908* #	US-PATENT-APPL-SN-495021	c 44	N78-13526* #	US-PATENT-APPL-SN-516159	c 14	N70-41812* #
US-PATENT-APPL-SN-473827	c 35	N83-21316* #	US-PATENT-APPL-SN-495022	c 60	N77-12721* #	US-PATENT-APPL-SN-516160	c 33	N71-16277* #
US-PATENT-APPL-SN-473973	c 02	N77-10001* #	US-PATENT-APPL-SN-496205	c 14	N71-22965* #	US-PATENT-APPL-SN-516162	c 07	N71-28900* #
US-PATENT-APPL-SN-47440	c 07	N73-20174* #	US-PATENT-APPL-SN-496779	c 05	N78-29217* #	US-PATENT-APPL-SN-516793	c 16	N71-22895* #
US-PATENT-APPL-SN-47441	c 09	N70-34559* #	US-PATENT-APPL-SN-498167	c 03	N71-10608* #	US-PATENT-APPL-SN-516794	c 14	N70-42074* #
US-PATENT-APPL-SN-47443	c 09	N72-17152* #	US-PATENT-APPL-SN-498168	c 28	N71-21822* #	US-PATENT-APPL-SN-517100	c 28	N70-33241* #
US-PATENT-APPL-SN-474531	c 31	N71-23009* #	US-PATENT-APPL-SN-499122	c 15	N71-24164* #	US-PATENT-APPL-SN-517156	c 14	N71-23093* #
US-PATENT-APPL-SN-474744	c 35	N76-14431* #	US-PATENT-APPL-SN-500435	c 14	N71-21082* #	US-PATENT-APPL-SN-517157	c 15	N71-22722* #
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US-PATENT-APPL-SN-47								

US-PATENT-APPL-SN-518684	c 44	N76-22657* #	US-PATENT-APPL-SN-538911	c 33	N71-22792*	US-PATENT-APPL-SN-560967	c 15	N69-21922* #
US-PATENT-APPL-SN-518685	c 35	N76-14429* #	US-PATENT-APPL-SN-538913	c 14	N71-17627*	US-PATENT-APPL-SN-560968	c 10	N71-24863* #
US-PATENT-APPL-SN-519160	c 18	N71-20742*	US-PATENT-APPL-SN-538982	c 33	N77-14333* #	US-PATENT-APPL-SN-560969	c 14	N71-15622* #
US-PATENT-APPL-SN-519161	c 05	N71-20718*	US-PATENT-APPL-SN-538983	c 33	N76-18353* #	US-PATENT-APPL-SN-561020	c 44	N76-23675* #
US-PATENT-APPL-SN-519395	c 09	N69-24317* #	US-PATENT-APPL-SN-539237	c 33	N71-16278*	US-PATENT-APPL-SN-561223	c 14	N71-20427* #
US-PATENT-APPL-SN-520838	c 08	N71-18595*	US-PATENT-APPL-SN-539255	c 18	N71-26153*	US-PATENT-APPL-SN-561764	c 32	N77-10392* #
US-PATENT-APPL-SN-520839	c 10	N71-19472*	US-PATENT-APPL-SN-539255	c 17	N72-28536* #	US-PATENT-APPL-SN-561956	c 35	N77-17426* #
US-PATENT-APPL-SN-521006	c 34	N77-10463* #	US-PATENT-APPL-SN-540414	c 15	N71-22799*	US-PATENT-APPL-SN-562443	c 09	N69-39734* #
US-PATENT-APPL-SN-521601	c 60	N76-14818* #	US-PATENT-APPL-SN-540779	c 33	N79-12331* #	US-PATENT-APPL-SN-562444	c 14	N71-22995* #
US-PATENT-APPL-SN-521602	c 37	N76-18454* #	US-PATENT-APPL-SN-541399	c 14	N71-20428*	US-PATENT-APPL-SN-562445	c 14	N71-23797* #
US-PATENT-APPL-SN-521603	c 35	N75-29380* #	US-PATENT-APPL-SN-542157	c 20	N76-21276* #	US-PATENT-APPL-SN-562499	c 32	N77-31350* #
US-PATENT-APPL-SN-521620	c 09	N77-10071* #	US-PATENT-APPL-SN-542192	c 26	N75-27126* #	US-PATENT-APPL-SN-562558	c 31	N79-21227* #
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US-PATENT-APPL-SN-522109	c 07	N78-17056* #	US-PATENT-APPL-SN-545223	c 03	N71-11056* #	US-PATENT-APPL-SN-563850	c 25	N69-21929* #
US-PATENT-APPL-SN-522551	c 76	N76-20994* #	US-PATENT-APPL-SN-545224	c 15	N69-21362* #	US-PATENT-APPL-SN-563851	c 28	N71-23293* #
US-PATENT-APPL-SN-522552	c 35	N76-16390* #	US-PATENT-APPL-SN-545228	c 07	N69-39736* #	US-PATENT-APPL-SN-564622	c 37	N77-31497* #
US-PATENT-APPL-SN-522556	c 35	N76-15432* #	US-PATENT-APPL-SN-545229	c 03	N69-21469* #	US-PATENT-APPL-SN-564919	c 09	N71-23316* #
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US-PATENT-APPL-SN-522795	c 20	N71-16281*	US-PATENT-APPL-SN-545283	c 32	N77-12239* #	US-PATENT-APPL-SN-565289	c 38	N77-17495* #
US-PATENT-APPL-SN-522971	c 54	N76-24900* #	US-PATENT-APPL-SN-545284	c 34	N76-27517* #	US-PATENT-APPL-SN-565290	c 17	N76-22245* #
US-PATENT-APPL-SN-523511	c 28	N71-20942*	US-PATENT-APPL-SN-54540	c 15	N72-29488* #	US-PATENT-APPL-SN-566392	c 14	N71-23175* #
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US-PATENT-APPL-SN-524746	c 14	N73-28491* #	US-PATENT-APPL-SN-54552	c 27	N70-34783* #	US-PATENT-APPL-SN-566493	c 44	N76-29701* #
US-PATENT-APPL-SN-526438	c 25	N76-22323* #	US-PATENT-APPL-SN-54552	c 20	N77-17143* #	US-PATENT-APPL-SN-566494	c 32	N77-30309* #
US-PATENT-APPL-SN-526448	c 44	N76-14602* #	US-PATENT-APPL-SN-545535	c 03	N69-21539* #	US-PATENT-APPL-SN-566495	c 33	N77-17351* #
US-PATENT-APPL-SN-526449	c 54	N76-14804* #	US-PATENT-APPL-SN-545793	c 20	N80-14188* #	US-PATENT-APPL-SN-566717	c 14	N71-24233* #
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US-PATENT-APPL-SN-526631	c 10	N71-19471*	US-PATENT-APPL-SN-546142	c 09	N69-24329* #	US-PATENT-APPL-SN-567806	c 06	N71-22975* #
US-PATENT-APPL-SN-526664	c 07	N69-24334* #	US-PATENT-APPL-SN-546148	c 11	N71-22875*	US-PATENT-APPL-SN-56791	c 10	N72-16172* #
US-PATENT-APPL-SN-526665	c 14	N69-24331* #	US-PATENT-APPL-SN-546149	c 16	N71-24170*	US-PATENT-APPL-SN-568006	c 31	N71-22968* #
US-PATENT-APPL-SN-527331	c 17	N73-28573* #	US-PATENT-APPL-SN-547072	c 15	N71-24043*	US-PATENT-APPL-SN-568071	c 14	N69-27461* #
US-PATENT-APPL-SN-527727	c 02	N76-16014* #	US-PATENT-APPL-SN-547072	c 35	N78-32397* #	US-PATENT-APPL-SN-568160	c 10	N71-18724* #
US-PATENT-APPL-SN-527728	c 37	N76-18458* #	US-PATENT-APPL-SN-547643	c 33	N79-33392* #	US-PATENT-APPL-SN-568346	c 04	N69-27487* #
US-PATENT-APPL-SN-527790	c 33	N76-14372* #	US-PATENT-APPL-SN-547677	c 10	N71-20448*	US-PATENT-APPL-SN-568352	c 09	N71-20842* #
US-PATENT-APPL-SN-528031	c 10	N69-39888* #	US-PATENT-APPL-SN-548468	c 37	N76-27567* #	US-PATENT-APPL-SN-568354	c 14	N71-22752* #
US-PATENT-APPL-SN-529593	c 27	N71-21819*	US-PATENT-APPL-SN-548559	c 44	N76-29700* #	US-PATENT-APPL-SN-568355	c 32	N71-23971* #
US-PATENT-APPL-SN-529594	c 15	N69-27483* #	US-PATENT-APPL-SN-548808	c 14	N71-23227*	US-PATENT-APPL-SN-568356	c 14	N71-15599* #
US-PATENT-APPL-SN-529594	c 33	N71-29152*	US-PATENT-APPL-SN-549418	c 36	N76-31512* #	US-PATENT-APPL-SN-568362	c 03	N69-39983* #
US-PATENT-APPL-SN-529609	c 09	N69-39986* #	US-PATENT-APPL-SN-549860	c 03	N71-19438*	US-PATENT-APPL-SN-568364	c 10	N71-26418* #
US-PATENT-APPL-SN-529884	c 54	N78-18761* #	US-PATENT-APPL-SN-550088	c 07	N71-24612*	US-PATENT-APPL-SN-568541	c 24	N77-28225* #
US-PATENT-APPL-SN-530958	c 09	N71-22985*	US-PATENT-APPL-SN-551182	c 03	N71-23187*	US-PATENT-APPL-SN-568541	c 27	N81-14077* #
US-PATENT-APPL-SN-531565	c 36	N76-24553* #	US-PATENT-APPL-SN-551184	c 37	N76-22541* #	US-PATENT-APPL-SN-568620	c 10	N71-26626* #
US-PATENT-APPL-SN-531566	c 10	N71-28860*	US-PATENT-APPL-SN-551694	c 31	N71-18611*	US-PATENT-APPL-SN-568697	c 10	N71-19547* #
US-PATENT-APPL-SN-531572	c 66	N76-19888* #	US-PATENT-APPL-SN-551815	c 02	N71-11038*	US-PATENT-APPL-SN-568925	c 07	N77-17059* #
US-PATENT-APPL-SN-531575	c 32	N76-31372* #	US-PATENT-APPL-SN-551846	c 03	N71-20492*	US-PATENT-APPL-SN-570093	c 06	N71-17705* #
US-PATENT-APPL-SN-531642	c 25	N71-21693*	US-PATENT-APPL-SN-551933	c 33	N71-14032* #	US-PATENT-APPL-SN-570095	c 14	N71-23226* #
US-PATENT-APPL-SN-531647	c 04	N76-20114* #	US-PATENT-APPL-SN-551961	c 15	N70-33376*	US-PATENT-APPL-SN-570097	c 15	N69-23185* #
US-PATENT-APPL-SN-531647	c 04	N77-19056* #	US-PATENT-APPL-SN-552108	c 07	N79-14096* #	US-PATENT-APPL-SN-570678	c 17	N71-25903* #
US-PATENT-APPL-SN-532006	c 23	N71-24857*	US-PATENT-APPL-SN-552344	c 09	N69-27463* #	US-PATENT-APPL-SN-571458	c 44	N77-10635* #
US-PATENT-APPL-SN-532784	c 27	N75-29263* #	US-PATENT-APPL-SN-552454	c 35	N76-24525* #	US-PATENT-APPL-SN-571459	c 54	N78-14784* #
US-PATENT-APPL-SN-532784	c 27	N78-17205* #	US-PATENT-APPL-SN-55333	c 13	N73-16206*	US-PATENT-APPL-SN-571821	c 20	N76-22296* #
US-PATENT-APPL-SN-533555	c 36	N76-18428* #	US-PATENT-APPL-SN-553687	c 44	N76-29704* #	US-PATENT-APPL-SN-57252	c 14	N72-25414* #
US-PATENT-APPL-SN-533556	c 36	N76-29575* #	US-PATENT-APPL-SN-553891	c 23	N71-16341*	US-PATENT-APPL-SN-57253	c 18	N72-25414* #
US-PATENT-APPL-SN-533608	c 32	N76-21366* #	US-PATENT-APPL-SN-554277	c 07	N71-26579*	US-PATENT-APPL-SN-572990	c 37	N78-16369* #
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US-PATENT-APPL-SN-533659	c 14	N73-30390* #	US-PATENT-APPL-SN-554899	c 15	N70-33382*	US-PATENT-APPL-SN-573029	c 07	N79-14097* #
US-PATENT-APPL-SN-533734	c 33	N77-10428* #	US-PATENT-APPL-SN-554949	c 06	N71-20717*	US-PATENT-APPL-SN-573432	c 14	N71-23790* #
US-PATENT-APPL-SN-534265	c 32	N76-21365* #	US-PATENT-APPL-SN-554950	c 17	N71-23248*	US-PATENT-APPL-SN-57399	c 03	N72-20034* #
US-PATENT-APPL-SN-534266	c 35	N76-24523* #	US-PATENT-APPL-SN-554959	c 27	N79-21191* #	US-PATENT-APPL-SN-574208	c 37	N76-29590* #
US-PATENT-APPL-SN-534295	c 15	N71-21076*	US-PATENT-APPL-SN-555189	c 08	N71-27255*	US-PATENT-APPL-SN-574218	c 52	N76-29895* #
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 US-PATENT-APPL-SN-749181 c 09
 US-PATENT-APPL-SN-749320 c 14

US-PATENT-APPL-SN-749420	c 04	N82-16059* #	US-PATENT-APPL-SN-765264	c 02	N71-29128* #	US-PATENT-APPL-SN-780874	c 35	N78-28411* #
US-PATENT-APPL-SN-749548	c 10	N71-33129* #	US-PATENT-APPL-SN-765738	c 03	N71-11057* #	US-PATENT-APPL-SN-780938	c 54	N80-10799* #
US-PATENT-APPL-SN-750031	c 05	N73-32012* #	US-PATENT-APPL-SN-766170	c 07	N71-24625* #	US-PATENT-APPL-SN-782462	c 33	N79-17133* #
US-PATENT-APPL-SN-750235	c 25	N75-14844* #	US-PATENT-APPL-SN-766244	c 15	N71-26721* #	US-PATENT-APPL-SN-782463	c 72	N79-13826* #
US-PATENT-APPL-SN-750655	c 74	N78-32854* #	US-PATENT-APPL-SN-766245	c 14	N71-27215* #	US-PATENT-APPL-SN-782464	c 32	N79-14267* #
US-PATENT-APPL-SN-750786	c 07	N71-27341* #	US-PATENT-APPL-SN-766697	c 09	N71-33519* #	US-PATENT-APPL-SN-782480	c 33	N78-32340* #
US-PATENT-APPL-SN-750787	c 10	N71-27126* #	US-PATENT-APPL-SN-7668	c 15	N71-26611* #	US-PATENT-APPL-SN-782481	c 44	N78-32542* #
US-PATENT-APPL-SN-750792	c 37	N79-11402* #	US-PATENT-APPL-SN-766999	c 33	N80-23559* #	US-PATENT-APPL-SN-782482	c 33	N79-11315* #
US-PATENT-APPL-SN-750798	c 85	N79-17747* #	US-PATENT-APPL-SN-7669	c 31	N72-18859* #	US-PATENT-APPL-SN-782544	c 14	N71-27325* #
US-PATENT-APPL-SN-751061	c 18	N71-29040* #	US-PATENT-APPL-SN-767741	c 09	N72-27228* #	US-PATENT-APPL-SN-782693	c 33	N79-10337* #
US-PATENT-APPL-SN-751198	c 03	N71-24718* #	US-PATENT-APPL-SN-767911	c 09	N78-31129* #	US-PATENT-APPL-SN-782955	c 07	N71-33108* #
US-PATENT-APPL-SN-751215	c 22	N72-20597* #	US-PATENT-APPL-SN-767912	c 27	N79-14214* #	US-PATENT-APPL-SN-782956	c 10	N71-25865* #
US-PATENT-APPL-SN-751266	c 15	N71-33518* #	US-PATENT-APPL-SN-768336	c 15	N71-17648* #	US-PATENT-APPL-SN-783374	c 15	N71-27147* #
US-PATENT-APPL-SN-752050	c 07	N81-19115* #	US-PATENT-APPL-SN-768470	c 09	N71-28421* #	US-PATENT-APPL-SN-783375	c 07	N71-24621* #
US-PATENT-APPL-SN-752729	c 09	N71-26787* #	US-PATENT-APPL-SN-768473	c 14	N71-17657* #	US-PATENT-APPL-SN-783377	c 05	N71-28619* #
US-PATENT-APPL-SN-752748	c 35	N78-25391* #	US-PATENT-APPL-SN-768662	c 07	N73-25160* #	US-PATENT-APPL-SN-783378	c 07	N71-19436* #
US-PATENT-APPL-SN-752946	c 15	N71-29032* #	US-PATENT-APPL-SN-768795	c 33	N79-10339* #	US-PATENT-APPL-SN-783379	c 15	N71-17653* #
US-PATENT-APPL-SN-752947	c 31	N71-15689* #	US-PATENT-APPL-SN-768942	c 46	N74-23068* #	US-PATENT-APPL-SN-784055	c 15	N72-11390* #
US-PATENT-APPL-SN-753103	c 37	N80-14397* #	US-PATENT-APPL-SN-76899	c 09	N72-22201* #	US-PATENT-APPL-SN-784521	c 14	N71-15620* #
US-PATENT-APPL-SN-753452	c 07	N79-14096* #	US-PATENT-APPL-SN-769148	c 52	N79-10724* #	US-PATENT-APPL-SN-784544	c 15	N72-12408* #
US-PATENT-APPL-SN-753694	c 24	N78-27180* #	US-PATENT-APPL-SN-769149	c 33	N78-32339* #	US-PATENT-APPL-SN-785078	c 03	N72-12403* #
US-PATENT-APPL-SN-753965	c 54	N78-31735* #	US-PATENT-APPL-SN-769592	c 15	N72-16330* #	US-PATENT-APPL-SN-785257	c 44	N79-14526* #
US-PATENT-APPL-SN-753965	c 54	N79-24651* #	US-PATENT-APPL-SN-769665	c 15	N72-11387* #	US-PATENT-APPL-SN-785279	c 27	N81-14077* #
US-PATENT-APPL-SN-753974	c 16	N71-33410* #	US-PATENT-APPL-SN-769788	c 07	N71-11300* #	US-PATENT-APPL-SN-785546	c 10	N71-25882* #
US-PATENT-APPL-SN-753976	c 54	N78-17675* #	US-PATENT-APPL-SN-770203	c 05	N71-11195* #	US-PATENT-APPL-SN-785595	c 10	N71-24861* #
US-PATENT-APPL-SN-753977	c 74	N79-12890* #	US-PATENT-APPL-SN-770209	c 08	N71-27057* #	US-PATENT-APPL-SN-785611	c 15	N71-24600* #
US-PATENT-APPL-SN-753978	c 54	N78-32721* #	US-PATENT-APPL-SN-770371	c 15	N71-24599* #	US-PATENT-APPL-SN-785613	c 05	N72-25119* #
US-PATENT-APPL-SN-754019	c 09	N71-25999* #	US-PATENT-APPL-SN-770398	c 06	N71-27254* #	US-PATENT-APPL-SN-785615	c 05	N72-20098* #
US-PATENT-APPL-SN-754020	c 12	N71-27332* #	US-PATENT-APPL-SN-770398	c 06	N72-27144* #	US-PATENT-APPL-SN-785620	c 21	N71-27324* #
US-PATENT-APPL-SN-754055	c 07	N71-24624* #	US-PATENT-APPL-SN-770417	c 06	N73-33076* #	US-PATENT-APPL-SN-785710	c 05	N71-24730* #
US-PATENT-APPL-SN-754066	c 39	N78-15512* #	US-PATENT-APPL-SN-770425	c 06	N72-20121* #	US-PATENT-APPL-SN-785780	c 18	N71-28729* #
US-PATENT-APPL-SN-75431	c 21	N72-31637* #	US-PATENT-APPL-SN-770689	c 44	N78-25527* #	US-PATENT-APPL-SN-786322	c 32	N79-20296* #
US-PATENT-APPL-SN-755310	c 25	N78-15210* #	US-PATENT-APPL-SN-771216	c 14	N72-17329* #	US-PATENT-APPL-SN-7867	c 14	N72-17324* #
US-PATENT-APPL-SN-755323	c 74	N79-11865* #	US-PATENT-APPL-SN-771245	c 27	N81-14076* #	US-PATENT-APPL-SN-7868	c 10	N72-17173* #
US-PATENT-APPL-SN-756260	c 23	N71-26722* #	US-PATENT-APPL-SN-771523	c 10	N71-18772* #	US-PATENT-APPL-SN-786913	c 27	N79-11221* #
US-PATENT-APPL-SN-756266	c 15	N71-26145* #	US-PATENT-APPL-SN-771530	c 09	N72-12136* #	US-PATENT-APPL-SN-78703	c 15	N73-20514* #
US-PATENT-APPL-SN-756381	c 06	N71-25929* #	US-PATENT-APPL-SN-77169	c 14	N72-21408* #	US-PATENT-APPL-SN-78704	c 05	N72-25121* #
US-PATENT-APPL-SN-756511	c 09	N71-27016* #	US-PATENT-APPL-SN-771759	c 09	N71-29008* #	US-PATENT-APPL-SN-78717	c 05	N73-13114* #
US-PATENT-APPL-SN-756834	c 15	N72-21466* #	US-PATENT-APPL-SN-771760	c 10	N71-25917* #	US-PATENT-APPL-SN-787393	c 23	N71-26206* #
US-PATENT-APPL-SN-757017	c 35	N77-21393* #	US-PATENT-APPL-SN-771803	c 07	N71-12391* #	US-PATENT-APPL-SN-787410	c 15	N71-19213* #
US-PATENT-APPL-SN-757625	c 09	N71-26701* #	US-PATENT-APPL-SN-771937	c 10	N71-24862* #	US-PATENT-APPL-SN-78766	c 05	N74-10907* #
US-PATENT-APPL-SN-757857	c 10	N71-25900* #	US-PATENT-APPL-SN-772006	c 17	N71-33408* #	US-PATENT-APPL-SN-787846	c 23	N71-33229* #
US-PATENT-APPL-SN-757861	c 05	N71-11194* #	US-PATENT-APPL-SN-772165	c 74	N79-13855* #	US-PATENT-APPL-SN-787906	c 03	N71-26084* #
US-PATENT-APPL-SN-757875	c 09	N71-24805* #	US-PATENT-APPL-SN-772167	c 25	N79-22235* #	US-PATENT-APPL-SN-787911	c 03	N71-28579* #
US-PATENT-APPL-SN-758082	c 15	N71-17805* #	US-PATENT-APPL-SN-772168	c 37	N79-20377* #	US-PATENT-APPL-SN-788045	c 24	N79-25142* #
US-PATENT-APPL-SN-758390	c 28	N71-26642* #	US-PATENT-APPL-SN-77220	c 14	N72-27409* #	US-PATENT-APPL-SN-788705	c 35	N78-24515* #
US-PATENT-APPL-SN-758540	c 28	N73-27699* #	US-PATENT-APPL-SN-77221	c 08	N72-25210* #	US-PATENT-APPL-SN-789043	c 10	N71-26531* #
US-PATENT-APPL-SN-758721	c 52	N79-18580* #	US-PATENT-APPL-SN-772434	c 52	N80-14687* #	US-PATENT-APPL-SN-789044	c 14	N72-20381* #
US-PATENT-APPL-SN-758942	c 27	N71-14090* #	US-PATENT-APPL-SN-77251	c 25	N70-41628* #	US-PATENT-APPL-SN-789045	c 15	N72-22489* #
US-PATENT-APPL-SN-759220	c 27	N78-17214* #	US-PATENT-APPL-SN-77252	c 02	N70-37939* #	US-PATENT-APPL-SN-789278	c 15	N71-24694* #
US-PATENT-APPL-SN-759256	c 07	N71-27233* #	US-PATENT-APPL-SN-77256	c 15	N70-33323* #	US-PATENT-APPL-SN-789903	c 07	N71-28429* #
US-PATENT-APPL-SN-759457	c 33	N71-16357* #	US-PATENT-APPL-SN-773029	c 09	N71-24893* #	US-PATENT-APPL-SN-790420	c 09	N71-24595* #
US-PATENT-APPL-SN-759460	c 09	N71-24597* #	US-PATENT-APPL-SN-773072	c 10	N72-28241* #	US-PATENT-APPL-SN-790637	c 44	N78-25529* #
US-PATENT-APPL-SN-759665	c 14	N71-18481* #	US-PATENT-APPL-SN-773530	c 25	N75-29192* #	US-PATENT-APPL-SN-791267	c 23	N72-17747* #
US-PATENT-APPL-SN-759965	c 52	N79-26771* #	US-PATENT-APPL-SN-774151	c 15	N71-17692* #	US-PATENT-APPL-SN-791268	c 33	N72-17947* #
US-PATENT-APPL-SN-760057	c 44	N79-14527* #	US-PATENT-APPL-SN-774265	c 10	N71-27365* #	US-PATENT-APPL-SN-791288	c 28	N71-25213* #
US-PATENT-APPL-SN-760114	c 28	N72-11709* #	US-PATENT-APPL-SN-774266	c 15	N71-26185* #	US-PATENT-APPL-SN-791364	c 14	N72-17328* #
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US-PATENT-CLASS-264-5	c 27	N82-28442* #	US-PATENT-CLASS-285-DIG 21	c 33	N73-26958* #	US-PATENT-CLASS-29-271	c 15	N70-41371* #
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US-PATENT-CLASS-427-41	c 27	N79-18052* #	US-PATENT-CLASS-428-312 6	c 27	N82-29456* #	US-PATENT-CLASS-428-538	c 27	N78-31233* #
US-PATENT-CLASS-427-41	c 27	N80-23452* #	US-PATENT-CLASS-428-312	c 27	N78-32260* #	US-PATENT-CLASS-428-539	c 27	N76-16229* #
US-PATENT-CLASS-427-423	c 34	N78-18355* #	US-PATENT-CLASS-428-313	c 24	N78-27180* #	US-PATENT-CLASS-428-541	c 24	N81-25188* #
US-PATENT-CLASS-427-423	c 27	N82-29453* #	US-PATENT-CLASS-428-317 9	c 27	N82-29456* #	US-PATENT-CLASS-428-593	c 24	N82-24296* #
US-PATENT-CLASS-427-425	c 37	N82-24492* #	US-PATENT-CLASS-428-325	c 27	N78-32260* #	US-PATENT-CLASS-428-594	c 24	N82-24296* #
US-PATENT-CLASS-427-426	c 27	N76-15310* #	US-PATENT-CLASS-428-325	c 27	N82-29456* #	US-PATENT-CLASS-428-594	c 24	N82-32417* #
US-PATENT-CLASS-427-427	c 24	N78-24290* #	US-PATENT-CLASS-428-328	c 24	N77-27188* #	US-PATENT-CLASS-428-604	c 24	N82-24296* #
US-PATENT-CLASS-427-429	c 27	N81-14078* #	US-PATENT-CLASS-428-331	c 27	N78-32260* #	US-PATENT-CLASS-428-604	c 24	N82-32417* #
US-PATENT-CLASS-427-44	c 74	N78-32854* #	US-PATENT-CLASS-428-331	c 27	N83-18908* #	US-PATENT-CLASS-428-607	c 24	N82-32417* #
US-PATENT-CLASS-427-44	c 27	N80-32516* #	US-PATENT-CLASS-428-332	c 27	N76-22377* #	US-PATENT-CLASS-428-608	c 24	N82-32417* #
US-PATENT-CLASS-427-47	c 44	N77-32583* #	US-PATENT-CLASS-428-332	c 27	N76-23426* #	US-PATENT-CLASS-428-629	c 44	N80-16452* #
US-PATENT-CLASS-427-4	c 51	N77-27677* #	US-PATENT-CLASS-428-332	c 24	N78-27180* #	US-PATENT-CLASS-428-632	c 26	N81-25188* #
US-PATENT-CLASS-427-531	c 44	N82-28780* #	US-PATENT-CLASS-428-332	c 27	N79-12221* #	US-PATENT-CLASS-428-633	c 34	N78-18355* #
US-PATENT-CLASS-427-74	c 44	N82-28780* #	US-PATENT-CLASS-428-332	c 24	N79-25142* #	US-PATENT-CLASS-428-63	c 24	N83-13172* #
US-PATENT-CLASS-427-75	c 44	N78-25527* #	US-PATENT-CLASS-428-332	c 27	N82-24340* #	US-PATENT-CLASS-428-650	c 44	N80-16452* #
US-PATENT-CLASS-427-75	c 44	N79-11468* #	US-PATENT-CLASS-428-334	c 74	N78-15879* #	US-PATENT-CLASS-428-652	c 34	N78-18355* #
US-PATENT-CLASS-427-75	c 44	N79-11472* #	US-PATENT-CLASS-428-336	c 74	N78-15879* #	US-PATENT-CLASS-428-652	c 44	N78-19599* #
US-PATENT-CLASS-427-84	c 44	N79-11472* #	US-PATENT-CLASS-428-339	c 27	N82-24340* #	US-PATENT-CLASS-428-658	c 44	N80-16452* #
US-PATENT-CLASS-427-86	c 44	N76-28635* #	US-PATENT-CLASS-428-341	c 27	N78-32260* #	US-PATENT-CLASS-428-667	c 34	N78-18355* #
US-PATENT-CLASS-427-86	c 44	N78-24609* #	US-PATENT-CLASS-428-35	c 34	N77-18382* #	US-PATENT-CLASS-428-667	c 44	N78-19599* #
US-PATENT-CLASS-427-88	c 44	N79-31752* #	US-PATENT-CLASS-428-366	c 24	N79-24062* #	US-PATENT-CLASS-428-675	c 44	N80-16452* #
US-PATENT-CLASS-427-88	c 44	N83-13579* #	US-PATENT-CLASS-428-367	c 27	N81-27272* #	US-PATENT-CLASS-428-678	c 26	N81-25188* #
US-PATENT-CLASS-427-89	c 44	N83-13579* #	US-PATENT-CLASS-428-368	c 24	N77-27188* #	US-PATENT-CLASS-428-679	c 44	N78-19599* #
US-PATENT-CLASS-427-90	c 44	N83-13579* #	US-PATENT-CLASS-428-368	c 27	N83-18908* #	US-PATENT-CLASS-428-679	c 26	N81-25188* #
US-PATENT-CLASS-427-91	c 44	N83-13579* #	US-PATENT-CLASS-428-375	c 24	N79-16915* #	US-PATENT-CLASS-428-680	c 44	N80-16452* #
US-PATENT-CLASS-427-95	c 25	N79-28253* #	US-PATENT-CLASS-428-406	c 27	N78-32260* #	US-PATENT-CLASS-428-680	c 26	N81-25188* #
US-PATENT-CLASS-428-109	c 27	N76-14264* #	US-PATENT-CLASS-428-408	c 27	N81-27272* #	US-PATENT-CLASS-428-71	c 24	N78-15180* #
US-PATENT-CLASS-428-109	c 33	N79-12331* #	US-PATENT-CLASS-428-411	c 27	N78-14164* #	US-PATENT-CLASS-428-73	c 24	N78-10214* #
US-PATENT-CLASS-428-113	c 24	N81-14000* #	US-PATENT-CLASS-428-411	c 27	N78-31233* #	US-PATENT-CLASS-428-73	c 24	N78-15180* #
US-PATENT-CLASS-428-114	c 24	N81-13999* #	US-PATENT-CLASS-428-411	c 27	N79-14214* #	US-PATENT-CLASS-428-73	c 24	N79-16915* #
US-PATENT-CLASS-428-114	c 24	N81-14000* #	US-PATENT-CLASS-428-412	c 27	N76-16230* #	US-PATENT-CLASS-428-77	c 27	N76-14264* #
US-PATENT-CLASS-428-116	c 24	N78-10214* #	US-PATENT-CLASS-428-412	c 27	N78-31233* #	US-PATENT-CLASS-428-77	c 27	N79-12221* #
US-PATENT-CLASS-428-116	c 24	N78-17149* #	US-PATENT-CLASS-428-412	c 74	N78-32854* #	US-PATENT-CLASS-428-902	c 24	N77-27188* #
US-PATENT-CLASS-428-117	c 37	N76-24575* #	US-PATENT-CLASS-428-412	c 27	N79-18052* #	US-PATENT-CLASS-428-902	c 24	N78-10214* #
US-PATENT-CLASS-428-117	c 24	N78-15180* #	US-PATENT-CLASS-428-413	c 27	N76-16230* #	US-PATENT-CLASS-428-902	c 24	N78-17149* #
US-PATENT-CLASS-428-117	c 24	N79-16915* #	US-PATENT-CLASS-428-413	c 15	N79-26100* #	US-PATENT-CLASS-428-902	c 24	N81-14000* #
US-PATENT-CLASS-428-119	c 24	N79-16915* #	US-PATENT-CLASS-428-413	c 24	N81-14000* #	US-PATENT-CLASS-428-902	c 31	N81-25258* #
US-PATENT-CLASS-428-133	c 37	N79-10422* #	US-PATENT-CLASS-428-414	c 15	N79-26100* #	US-PATENT-CLASS-428-902	c 27	N81-27272* #
US-PATENT-CLASS-428-137	c 24	N79-25142* #	US-PATENT-CLASS-428-416	c 27	N76-14264* #	US-PATENT-CLASS-428-902	c 27	N83-18908* #
US-PATENT-CLASS-428-138	c 24	N78-10214* #	US-PATENT-CLASS-428-418	c 24	N77-27188* #	US-PATENT-CLASS-428-911	c 27	N76-16230* #
US-PATENT-CLASS-428-139	c 23	N81-29160* #	US-PATENT-CLASS-428-418	c 15	N79-26100* #	US-PATENT-CLASS-428-911	c 24	N77-27188* #
US-PATENT-CLASS-428-140	c 24	N81-14000* #	US-PATENT-CLASS-428-421	c 34	N77-18382* #	US-PATENT-CLASS-428-913	c 34	N78-25350* #
US-PATENT-CLASS-428-141	c 24	N77-28225* #	US-PATENT-CLASS-428-421	c 15	N79-26100* #	US-PATENT-CLASS-428-913	c 27	N83-18908* #
US-PATENT-CLASS-428-141	c 27	N82-28440* #	US-PATENT-CLASS-428-421	c 27	N80-24437* #	US-PATENT-CLASS-428-920	c 27	N76-16230* #
US-PATENT-CLASS-428-141	c 27	N82-33521* #	US-PATENT-CLASS-428-422	c 27	N78-31233* #	US-PATENT-CLASS-428-920	c 27	N76-22377* #
US-PATENT-CLASS-428-161	c 24	N77-28225* #	US-PATENT-CLASS-428-425	c 24	N77-28225* #	US-PATENT-CLASS-428-920	c 27	N76-23426* #
US-PATENT-CLASS-428-189	c 27	N79-12221* #	US-PATENT-CLASS-428-426	c 74	N78-15879* #	US-PATENT-CLASS-428-920	c 24	N78-15180* #
US-PATENT-CLASS-428-192	c 27	N82-24339* #	US-PATENT-CLASS-428-427	c 27	N78-32260* #	US-PATENT-CLASS-428-920	c 27	N78-32260* #
US-PATENT-CLASS-428-193	c 27	N82-24339* #	US-PATENT-CLASS-428-428	c 27	N76-22377* #	US-PATENT-CLASS-428-920	c 27	N79-12221* #
US-PATENT-CLASS-428-212	c 27	N76-14264* #	US-PATENT-CLASS-428-428	c 27	N76-23426* #	US-PATENT-CLASS-428-920	c 24	N79-25142* #
US-PATENT-CLASS-428-212	c 27	N79-12221* #	US-PATENT-CLASS-428-428	c 74	N78-15879* #	US-PATENT-CLASS-428-920	c 15	N79-26100* #
US-PATENT-CLASS-428-212	c 27	N82-29456* #	US-PATENT-CLASS-428-428	c 27	N78-32260* #	US-PATENT-CLASS-428-920	c 27	N81-27272* #
US-PATENT-CLASS-428-214	c 27	N76-14264* #	US-PATENT-CLASS-428-446	c 27	N78-32260* #	US-PATENT-CLASS-428-920	c 27	N83-18908* #
US-PATENT-CLASS-428-218	c 27	N82-29456* #	US-PATENT-CLASS-428-446	c 27	N82-29456* #	US-PATENT-CLASS-428-921	c 27	N76-16230* #
US-PATENT-CLASS-428-218	c 24	N83-13171* #	US-PATENT-CLASS-428-447	c 27	N76-14264* #	US-PATENT-CLASS-428-921	c 24	N78-27180* #
US-PATENT-CLASS-428-220	c 15	N79-26100* #	US-PATENT-CLASS-428-447	c 27	N76-16230* #	US-PATENT-CLASS-428-921	c 24	N81-13999* #
US-PATENT-CLASS-428-241	c 27	N82-24339* #	US-PATENT-CLASS-428-447	c 27	N78-31233* #	US-PATENT-CLASS-428-922	c 27	N78-14164* #
US-PATENT-CLASS-428-241	c 27	N83-18908* #	US-PATENT-CLASS-428-447	c 74	N78-32854* #	US-PATENT-CLASS-428-938	c 27	N82-28441* #
US-PATENT-CLASS-428-242	c 27	N82-24339* #	US-PATENT-CLASS-428-447	c 27	N79-12221* #	US-PATENT-CLASS-428-93	c 34	N78-25350* #
US-PATENT-CLASS-428-244	c 27	N83-18908* #	US-PATENT-CLASS-428-447	c 27	N79-18052* #	US-PATENT-CLASS-428-941	c 27	N82-28441* #
US-PATENT-CLASS-428-245	c 27	N82-24339* #	US-PATENT-CLASS-428-447	c 24	N79-25142* #	US-PATENT-CLASS-428-94	c 34	N78-25350* #
US-PATENT-CLASS-428-245	c 27	N83-18908* #	US-PATENT-CLASS-428-447	c 27	N82-24339* #	US-PATENT-CLASS-428-95	c 34	N78-25350* #
US-PATENT-CLASS-428-247	c 33	N79-12331* #	US-PATENT-CLASS-428-448	c 27	N82-24339* #	US-PATENT-CLASS-428-96	c 34	N78-25350* #
US-PATENT-CLASS-428-247	c 33	N82-26571* #	US-PATENT-CLASS-428-450	c 27	N76-16229* #	US-PATENT-CLASS-428-97	c 34	N78-25350* #
US-PATENT-CLASS-428-251	c 27	N82-24339* #	US-PATENT-CLASS-428-450	c 27	N76-22377* #	US-PATENT-CLASS-429-101	c 44	N79-17313* #
US-PATENT-CLASS-428-257	c 27	N82-24339* #	US-PATENT-CLASS-428-450	c 27	N76-23426* #	US-PATENT-CLASS-429-101	c 44	N79-26474* #
US-PATENT-CLASS-428-258	c 33	N79-12331* #	US-PATENT-CLASS-428-450	c 27	N79-12221* #	US-PATENT-CLASS-429-101	c 33	N80-20487* #
US-PATENT-CLASS-428-259	c 33	N79-12331* #	US-PATENT-CLASS-428-451	c 27	N78-18052* #	US-PATENT-CLASS-429-105	c 44	N77-22606* #
US-PATENT-CLASS-428-260	c 27	N81-27272* #	US-PATENT-CLASS-428-457	c 27	N76-16229* #	US-PATENT-CLASS-429-105	c 33	N80-20487* #
US-PATENT-CLASS-428-260	c 27	N82-24339* #	US-PATENT-CLASS-428-457	c 24	N77-27188* #	US-PATENT-CLASS-429-107	c 44	N77-22606* #
US-PATENT-CLASS-428-260	c 27	N83-18908* #	US-PATENT-CLASS-428-457	c 24	N77-28225* #	US-PATENT-CLASS-429-107	c 33	N80-20487* #
US-PATENT-CLASS-428-263	c 27	N82-16238* #	US-PATENT-CLASS-428-457	c 26	N82-30371* #	US-PATENT-CLASS-429-109	c 33	N80-20487* #
US-PATENT-CLASS-428-264	c 27	N82-16238* #	US-PATENT-CLASS-428-458	c 24	N77-28225* #	US-PATENT-CLASS-429-120	c 44	N81-24521* #
US-PATENT-CLASS-428-265	c 27	N82-16238* #	US-PATENT-CLASS-428-458	c 24	N79-16915* #	US-PATENT-CLASS-429-139	c 27	N80-32516* #
US-PATENT-CLASS-428-266	c 27	N82-24339* #	US-PATENT-CLASS-428-461	c 34	N77-18382* #	US-PATENT-CLASS-429-139	c 27	N81-24257* #
US-PATENT-CLASS-428-267	c 27	N82-16238* #	US-PATENT-CLASS-428-462	c 27	N82-24340* #	US-PATENT-CLASS-429-13	c 44	N79-10513* #
US-PATENT-CLASS-428-272	c 27	N82-16238* #	US-PATENT-CLASS-428-466	c 27	N82-24340* #	US-PATENT-CLASS-429-144	c 44	N82-29708* #
US-PATENT-CLASS-428-280	c 27	N79-12221* #	US-PATENT-CLASS-428-469	c 27	N76-16229* #	US-PATENT-CLASS-429-15	c 44	N79-26474* #
US-PATENT-CLASS-428-282	c 24	N79-25142* #	US-PATENT-CLASS-428-471	c 26	N81-25188* #	US-PATENT-CLASS-429-160	c 44	N81-24521* #
US-PATENT-CLASS-428-283	c 24	N82-29362* #	US-PATENT-CLASS-428-472	c 26	N82-30371* #	US-PATENT-CLASS-429-164	c 44	N81-24521* #
US-PATENT-CLASS-428-283	c 27	N82-29456* #	US-PATENT-CLASS-428-473.5	c 27	N81-14078* #	US-PATENT-CLASS-429-190	c 44	N77-22606* #
US-PATENT-CLASS-428-284	c 24	N82-29362* #	US-PATENT-CLASS-428-473.5	c 27	N81-29229* #	US-PATENT-CLASS-429-193	c 44	N82-29710* #
US-PATENT-CLASS-428-285	c 27	N79-12221* #	US-PATENT-CLASS-428-474	c 34	N77-18382* #	US-PATENT-CLASS-429-206	c 25	N83-13188* #
US-PATENT-CLASS-428-286	c 27	N79-12221* #	US-PATENT-CLASS-428-474	c 27	N79-33316* #	US-PATENT-CLASS-429-206	c 27	N83-15465* #
US-PATENT-CLASS-428-286	c 24	N82-29362* #	US-PATENT-CLASS-428-474	c 27	N80-24437* #	US-PATENT-CLASS-429-23	c 44	N77-14581* #
US-PATENT-CLASS-428-287	c 24	N82-29362* #	US-PATENT-CLASS-428-480	c 24	N81-14000* #	US-PATENT-CLASS-429-249	c 27	N81-24257* #
US-PATENT-CLASS-428-288	c 24	N82-29362* #	US-PATENT-CLASS-428-493	c 27	N82-24340* #	US-PATENT-CLASS-429-249	c 23	N81-29160* #
US-PATENT-CLASS-428-289	c 27	N82-29456* #	US-PATENT-CLASS-428-49	c 27	N82-24339* #	US-PATENT-CLASS-429-251	c 44	N82-29708* #
US-PATENT-CLASS-428-290	c 24	N78-15180* #	US-PATENT-CLASS-428-49	c 27	N82-29456* #	US-PATENT-CLASS-429-253	c 44	N79-25481* #
US-PATENT-CLASS-428-290	c 24	N79-25142* #	US-PATENT-CLASS-428-500	c 27	N80-32516* #	US-PATENT-CLASS-429-253	c 27	N81-24257* #
US-PATENT-CLASS-428-294	c 24	N78-17150* #	US-PATENT-CLASS-428-515	c 27	N78-31233* #	US		

US-PATENT-CLASS-528-399

US-PATENT-CLASS-429-253	c 27	N80-15465* #	US-PATENT-CLASS-47-39	c 51	N75-25503* #	US-PATENT-CLASS-521-124	c 25	N80-16116* #
US-PATENT-CLASS-429-254	c 44	N78-25530* #	US-PATENT-CLASS-47-58	c 51	N75-25503* #	US-PATENT-CLASS-521-125	c 25	N80-16116* #
US-PATENT-CLASS-429-254	c 44	N82-29708* #	US-PATENT-CLASS-47-58	c 51	N83-17045* #	US-PATENT-CLASS-521-127	c 25	N80-16116* #
US-PATENT-CLASS-429-27	c 27	N81-24257* #	US-PATENT-CLASS-474-205	c 37	N80-32717* #	US-PATENT-CLASS-521-146	c 25	N80-23383* #
US-PATENT-CLASS-429-27	c 23	N81-29160* #	US-PATENT-CLASS-48-DIG 8	c 28	N80-10374* #	US-PATENT-CLASS-521-157	c 25	N80-16116* #
US-PATENT-CLASS-429-28	c 27	N81-24257* #	US-PATENT-CLASS-48-10-3	c 28	N80-10374* #	US-PATENT-CLASS-521-27	c 27	N81-14076* #
US-PATENT-CLASS-429-28	c 23	N81-29160* #	US-PATENT-CLASS-48-102A	c 28	N80-10374* #	US-PATENT-CLASS-521-32	c 27	N81-14076* #
US-PATENT-CLASS-429-33	c 44	N79-17313* #	US-PATENT-CLASS-48-107	c 28	N80-10374* #	US-PATENT-CLASS-521-55	c 25	N80-23383* #
US-PATENT-CLASS-429-33	c 44	N82-29710* #	US-PATENT-CLASS-48-116	c 44	N76-18642* #	US-PATENT-CLASS-521-62	c 27	N81-14076* #
US-PATENT-CLASS-429-34	c 44	N77-14581* #	US-PATENT-CLASS-48-116	c 44	N77-10636* #	US-PATENT-CLASS-521-918	c 25	N80-23383* #
US-PATENT-CLASS-429-40	c 44	N82-29710* #	US-PATENT-CLASS-48-117	c 44	N76-18642* #	US-PATENT-CLASS-523-205	c 27	N83-19900* #
US-PATENT-CLASS-429-41	c 44	N79-10513* #	US-PATENT-CLASS-48-117	c 44	N77-10636* #	US-PATENT-CLASS-524-436	c 27	N83-19900* #
US-PATENT-CLASS-429-42	c 44	N79-10513* #	US-PATENT-CLASS-48-117	c 28	N80-10374* #	US-PATENT-CLASS-524-437	c 27	N83-19900* #
US-PATENT-CLASS-429-94	c 44	N81-24521* #	US-PATENT-CLASS-48-197R	c 44	N76-29704* #	US-PATENT-CLASS-524-503	c 27	N83-19900* #
US-PATENT-CLASS-430-17	c 35	N82-11432* #	US-PATENT-CLASS-48-197R	c 44	N77-10636* #	US-PATENT-CLASS-524-564	c 27	N83-19900* #
US-PATENT-CLASS-430-271	c 27	N81-25209* #	US-PATENT-CLASS-48-212	c 44	N77-10636* #	US-PATENT-CLASS-524-786	c 27	N83-19900* #
US-PATENT-CLASS-430-325	c 27	N81-25209* #	US-PATENT-CLASS-48-215	c 44	N76-29700* #	US-PATENT-CLASS-525-326	c 27	N80-24438* #
US-PATENT-CLASS-430-329	c 27	N81-25209* #	US-PATENT-CLASS-48-61	c 44	N77-10636* #	US-PATENT-CLASS-525-336	c 27	N80-24438* #
US-PATENT-CLASS-430-330	c 27	N81-25209* #	US-PATENT-CLASS-48-61	c 28	N80-10374* #	US-PATENT-CLASS-525-340	c 27	N80-24438* #
US-PATENT-CLASS-430-372	c 35	N82-11432* #	US-PATENT-CLASS-48-63	c 44	N76-18642* #	US-PATENT-CLASS-525-374	c 27	N80-24438* #
US-PATENT-CLASS-431-10	c 34	N78-27357* #	US-PATENT-CLASS-48-75	c 44	N76-18642* #	US-PATENT-CLASS-525-375	c 27	N80-24438* #
US-PATENT-CLASS-431-10	c 25	N79-11151* #	US-PATENT-CLASS-48-89	c 44	N82-16475* #	US-PATENT-CLASS-525-384	c 28	N81-15119* #
US-PATENT-CLASS-431-116	c 44	N77-10636* #	US-PATENT-CLASS-48-95	c 44	N76-18642* #	US-PATENT-CLASS-525-426	c 27	N80-26446* #
US-PATENT-CLASS-431-11	c 44	N77-10636* #	US-PATENT-CLASS-48-95	c 44	N76-29700* #	US-PATENT-CLASS-525-4	c 25	N80-23383* #
US-PATENT-CLASS-431-158	c 25	N78-10224* #	US-PATENT-CLASS-48-99	c 44	N82-16475* #	US-PATENT-CLASS-525-56	c 23	N81-29160* #
US-PATENT-CLASS-431-162	c 44	N77-10636* #	US-PATENT-CLASS-49-DIG 1	c 34	N78-25350* #	US-PATENT-CLASS-525-61	c 27	N81-24257* #
US-PATENT-CLASS-431-163	c 44	N76-29704* #	US-PATENT-CLASS-49-171	c 31	N81-19343* #	US-PATENT-CLASS-525-61	c 23	N81-29160* #
US-PATENT-CLASS-431-170	c 44	N77-10636* #	US-PATENT-CLASS-49-479	c 34	N78-25350* #	US-PATENT-CLASS-525-61	c 25	N83-13188* #
US-PATENT-CLASS-431-173	c 23	N73-30665* #	US-PATENT-CLASS-49-485	c 34	N78-25350* #	US-PATENT-CLASS-525-61	c 27	N83-15465* #
US-PATENT-CLASS-431-202	c 25	N74-33378* #	US-PATENT-CLASS-49-68	c 18	N74-22136* #	US-PATENT-CLASS-526-13	c 27	N78-32256* #
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US-PATENT-CLASS-73-521	c 14	N72-25410* #	US-PATENT-CLASS-73-88 5	c 14	N71-24233*	US-PATENT-CLASS-75- 5B	c 17	N72-22530* #
US-PATENT-CLASS-73-557	c 35	N75-19614* #	US-PATENT-CLASS-73-88 5	c 09	N72-22200* #	US-PATENT-CLASS-75-DIG 1	c 18	N72-25539* #
US-PATENT-CLASS-73-557	c 07	N76-27232* #	US-PATENT-CLASS-73-88 5	c 33	N75-31329* #	US-PATENT-CLASS-75-DIG 1	c 37	N75-26371* #
US-PATENT-CLASS-73-56	c 35	N80-18357* #	US-PATENT-CLASS-73-88 5	c 38	N76-28563* #	US-PATENT-CLASS-75-0 5BB	c 15	N72-25448* #
US-PATENT-CLASS-73-579	c 39	N78-15512* #	US-PATENT-CLASS-73-88A	c 32	N73-20740* #	US-PATENT-CLASS-75-122 7	c 37	N77-19458* #
US-PATENT-CLASS-73-579	c 35	N78-10390* #	US-PATENT-CLASS-73-88F	c 39	N78-15512* #	US-PATENT-CLASS-75-124	c 26	N78-18182* #
US-PATENT-CLASS-73-579	c 33	N83-16626* #	US-PATENT-CLASS-73-88R	c 35	N74-13129* #	US-PATENT-CLASS-75-124	c 26	N80-32484* #
US-PATENT-CLASS-73-57	c 14	N71-17584* #	US-PATENT-CLASS-73-88R	c 35	N77-22449* #	US-PATENT-CLASS-75-126D	c 26	N78-18182* #
US-PATENT-CLASS-73-57	c 14	N73-14429* #	US-PATENT-CLASS-73-88R	c 39	N77-28511* #	US-PATENT-CLASS-75-126F	c 26	N78-18182* #
US-PATENT-CLASS-73-589	c 35	N79-10390* #	US-PATENT-CLASS-73-88	c 32	N71-17645* #	US-PATENT-CLASS-75-128G	c 26	N78-18182* #
US-PATENT-CLASS-73-597	c 33	N83-16626* #	US-PATENT-CLASS-73-90	c 32	N70-42003* #	US-PATENT-CLASS-75-128T	c 26	N78-18182* #
US-PATENT-CLASS-73-603	c 38	N78-32447* #	US-PATENT-CLASS-73-90	c 32	N71-25360* #	US-PATENT-CLASS-75-134D	c 76	N79-16678* #
US-PATENT-CLASS-73-60	c 14	N73-14429* #	US-PATENT-CLASS-73-90	c 14	N73-20476* #	US-PATENT-CLASS-75-135	c 18	N73-32437* #
US-PATENT-CLASS-73-61 1C	c 23	N77-17161* #	US-PATENT-CLASS-73-91	c 14	N73-20476* #	US-PATENT-CLASS-75-135	c 24	N77-27187* #
US-PATENT-CLASS-73-61R	c 35	N78-27384* #	US-PATENT-CLASS-73-91	c 32	N73-26910* #	US-PATENT-CLASS-75-135	c 26	N80-23419* #
US-PATENT-CLASS-73-61	c 14	N71-26199* #	US-PATENT-CLASS-73-91	c 09	N74-19528* #	US-PATENT-CLASS-75-138	c 26	N80-23419* #
US-PATENT-CLASS-73-626	c 52	N79-26771* #	US-PATENT-CLASS-73-91	c 39	N78-10493* #	US-PATENT-CLASS-75-139	c 24	N77-27187* #
US-PATENT-CLASS-73-629	c 33	N83-16626* #	US-PATENT-CLASS-73-94	c 14	N73-32323* #	US-PATENT-CLASS-75-142	c 17	N71-20743* #
US-PATENT-CLASS-73-630	c 39	N78-15512* #	US-PATENT-CLASS-73-95	c 15	N71-24834* #	US-PATENT-CLASS-75-170	c 17	N71-15644* #
US-PATENT-CLASS-73-632	c 38	N79-14398* #	US-PATENT-CLASS-73-95	c 14	N72-11364* #	US-PATENT-CLASS-75-170	c 17	N71-16025* #
US-PATENT-CLASS-73-633	c 52	N79-14751* #	US-PATENT-CLASS-73-95	c 35	N76-18400* #	US-PATENT-CLASS-75-170	c 17	N71-23248* #
US-PATENT-CLASS-73-641	c 38	N79-14398* #	US-PATENT-CLASS-73-95	c 35	N77-22450* #	US-PATENT-CLASS-75-170	c 17	N72-22535* #
US-PATENT-CLASS-73-644	c 38	N79-14398* #	US-PATENT-CLASS-73-95	c 31	N79-11246* #	US-PATENT-CLASS-75-170	c 37	N77-19458* #
US-PATENT-CLASS-73-644	c 52	N79-14751* #	US-PATENT-CLASS-73-97	c 14	N71-15600* #	US-PATENT-CLASS-75-170	c 26	N77-20201* #
US-PATENT-CLASS-73-646	c 71	N78-14867* #	US-PATENT-CLASS-73-99	c 14	N71-10781* #	US-PATENT-CLASS-75-170	c 26	N77-32279* #
US-PATENT-CLASS-73-647	c 32	N79-24203* #	US-PATENT-CLASS-73-9	c 14	N71-22995* #	US-PATENT-CLASS-75-170	c 26	N77-32280* #
US-PATENT-CLASS-73-655	c 35	N80-14371* #	US-PATENT-CLASS-73-9	c 35	N76-31489* #	US-PATENT-CLASS-75-171	c 26	N78-18183* #
US-PATENT-CLASS-73-65	c 14	N71-22992* #	US-PATENT-CLASS-74-100R	c 37	N78-31426* #	US-PATENT-CLASS-75-171	c 17	N70-33283* #
US-PATENT-CLASS-73-661	c 35	N80-14371* #	US-PATENT-CLASS-74-100	c 15	N71-24045* #	US-PATENT-CLASS-75-171	c 17	N70-36616* #
US-PATENT-CLASS-73-67 1	c 35	N75-12271* #	US-PATENT-CLASS-74-105	c 09	N72-22195* #	US-PATENT-CLASS-75-171	c 17	N71-16026* #
US-PATENT-CLASS-73-67.2	c 11	N69-21540* #	US-PATENT-CLASS-74-110	c 44	N83-14693* #	US-PATENT-CLASS-75-171	c 17	N73-32415* #
US-PATENT-CLASS-73-67.2	c 15	N71-18132* #	US-PATENT-CLASS-74-126	c 15	N71-21529* #	US-PATENT-CLASS-75-172	c 17	N71-23365* #
US-PATENT-CLASS-73-67.2	c 14	N72-22440* #	US-PATENT-CLASS-74-18 1	c 37	N82-24493* #	US-PATENT-CLASS-75-173	c 26	N75-27126* #
US-PATENT-CLASS-73-67.2	c 35	N78-17358* #	US-PATENT-CLASS-74-18 2	c 11	N71-27036* #	US-PATENT-CLASS-75-173	c 26	N75-27127* #
US-PATENT-CLASS-73-67 3	c 32	N73-26910* #	US-PATENT-CLASS-74-18 2	c 37	N82-24493* #	US-PATENT-CLASS-75-178R	c 04	N76-20114* #
US-PATENT-CLASS-73-67.5R	c 38	N74-15395* #	US-PATENT-CLASS-74-217R	c 37	N74-23070* #	US-PATENT-CLASS-75-178R	c 26	N80-23419* #
US-PATENT-CLASS-73-67 7	c 39	N77-28511* #	US-PATENT-CLASS-74-2	c 15	N71-24600* #	US-PATENT-CLASS-75-20F	c 15	N72-11387* #
US-PATENT-CLASS-73-67 8S	c 35	N74-10415* #	US-PATENT-CLASS-74-2	c 31	N73-14855* #	US-PATENT-CLASS-75-200	c 26	N74-10521* #
US-PATENT-CLASS-73-67 8S	c 38	N74-15130* #	US-PATENT-CLASS-74-384	c 37	N76-15457* #	US-PATENT-CLASS-75-200	c 37	N74-13179* #
US-PATENT-CLASS-73-67 9	c 52	N74-20726* #	US-PATENT-CLASS-74-385	c 07	N78-17056* #	US-PATENT-CLASS-75-200	c 24	N75-13032* #
US-PATENT-CLASS-73-683 31	c 35	N81-29407* #	US-PATENT-CLASS-74-409	c 15	N71-21744* #	US-PATENT-CLASS-75-200	c 37	N75-26371* #
US-PATENT-CLASS-73-684 52	c 35	N81-29407* #	US-PATENT-CLASS-74-417	c 07	N78-17056* #	US-PATENT-CLASS-75-200	c 24	N80-33482* #
US-PATENT-CLASS-73-69	c 71	N74-31148* #	US-PATENT-CLASS-74-417	c 37	N81-14318* #	US-PATENT-CLASS-75-202	c 17	N71-15468* #
US-PATENT-CLASS-73-70.2	c 14	N71-10616* #	US-PATENT-CLASS-74-417	c 37	N81-17432* #	US-PATENT-CLASS-75-203	c 27	N79-14213* #
US-PATENT-CLASS-73-71 2	c 14	N70-34794* #	US-PATENT-CLASS-74-424 8VA	c 37	N75-15050* #	US-PATENT-CLASS-75-204	c 18	N71-22894* #
US-PATENT-CLASS-73-71 3	c 35	N74-15146* #	US-PATENT-CLASS-74-424 8	c 15	N71-26635* #	US-PATENT-CLASS-75-205	c 27	N79-14213* #
US-PATENT-CLASS-73-71 4	c 32	N71-16428* #	US-PATENT-CLASS-74-425	c 37	N80-32716* #	US-PATENT-CLASS-75-206	c 15	N72-25448* #
US-PATENT-CLASS-73-71 4	c 32	N71-26681* #	US-PATENT-CLASS-74-436	c 37	N75-13266* #	US-PATENT-CLASS-75-206	c 27	N79-14213* #
US-PATENT-CLASS-73-71 5R	c 71	N74-31148* #	US-PATENT-CLASS-74-468	c 15	N71-24984* #	US-PATENT-CLASS-75-208R	c 37	N75-26371* #
US-PATENT-CLASS-73-71 5U	c 38	N74-15395* #	US-PATENT-CLASS-74-469	c 15	N72-21463* #	US-PATENT-CLASS-75-208	c 18	N72-25539* #
US-PATENT-CLASS-73-71 6	c 14	N71-27185* #	US-PATENT-CLASS-74-469	c 15	N72-28495* #	US-PATENT-CLASS-75-211	c 18	N72-25539* #
US-PATENT-CLASS-73-71 6	c 14	N72-27412* #	US-PATENT-CLASS-74-471XY	c 54	N75-27760* #	US-PATENT-CLASS-75-212	c 37	N75-26371* #
US-PATENT-CLASS-73-71 6	c 14	N73-13416* #	US-PATENT-CLASS-74-471	c 05	N70-41581* #	US-PATENT-CLASS-75-212	c 27	N79-14213* #
US-PATENT-CLASS-73-71 6	c 14	N73-19421* #	US-PATENT-CLASS-74-471	c 03	N70-42073* #	US-PATENT-CLASS-75-213	c 15	N72-25448* #
US-PATENT-CLASS-73-71 6	c 35	N77-18417* #	US-PATENT-CLASS-74-471	c 15	N71-20740* #	US-PATENT-CLASS-75-213	c 37	N74-13179* #
US-PATENT-CLASS-73-714	c 35	N79-14347* #	US-PATENT-CLASS-74-479	c 08	N82-24205* #	US-PATENT-CLASS-75-214	c 37	N74-13179* #
US-PATENT-CLASS-73-714	c 34	N79-24285* #	US-PATENT-CLASS-74-480R	c 05	N75-12930* #	US-PATENT-CLASS-75-214	c 37	N75-26371* #
US-PATENT-CLASS-73-721	c 35	N79-14347* #	US-PATENT-CLASS-74-480R	c 08	N82-24205* #	US-PATENT-CLASS-75-222	c 28	N70-38197* #
US-PATENT-CLASS-73-724	c 32	N79-24203* #	US-PATENT-CLASS-74-5 12	c 31	N71-26537* #	US-PATENT-CLASS-75-222	c 37	N75-26371* #
US-PATENT-CLASS-73-724	c 52	N80-18691* #	US-PATENT-CLASS-74-5 22	c 21	N73-13644* #	US-PATENT-CLASS-75-222	c 24	N80-33482* #
US-PATENT-CLASS-73-724	c 33	N82-26572* #	US-PATENT-CLASS-74-5 34	c 04	N76-26175* #	US-PATENT-CLASS-75-225	c 34	N76-27515* #
US-PATENT-CLASS-73-756	c 35	N78-24515* #	US-PATENT-CLASS-74-5 47	c 21	N71-23289* #	US-PATENT-CLASS-75-226	c 18	N72-25539* #
US-PATENT-CLASS-73-756	c 35	N79-14347* #	US-PATENT-CLASS-74-5 5	c 35	N74-28097* #	US-PATENT-CLASS-75-226	c 26	N74-10521* #
US-PATENT-CLASS-73-761	c 33	N83-16626* #	US-PATENT-CLASS-74-5 6	c 35	N74-15094* #	US-PATENT-CLASS-75-226	c 37	N74-13179* #
US-PATENT-CLASS-73-76	c 06	N72-17095* #	US-PATENT-CLASS-74-5 7	c 35	N74-18323* #	US-PATENT-CLASS-75-226	c 27	N79-14213* #
US-PATENT-CLASS-73-770	c 39	N78-22537* #	US-PATENT-CLASS-74-5 7	c 15	N76-14158* #	US-PATENT-CLASS-75-229	c 27	N78-17206* #
US-PATENT-CLASS-73-781	c 52	N80-27072* #	US-PATENT-CLASS-74-5F	c 15	N73-12488* #	US-PATENT-CLASS-75-239	c 27	N78-17206* #
US-PATENT-CLASS-73-79	c 14	N71-26161* #	US-PATENT-CLASS-74-501R	c 15	N72-22485* #	US-PATENT-CLASS-75-241	c 27	N78-17206* #
US-PATENT-CLASS-73-810	c 39	N79-22537* #	US-PATENT-CLASS-74-515E	c 54	N78-17678* #	US-PATENT-CLASS-75-25	c 28	N81-15119* #
US-PATENT-CLASS-73-818	c 35	N83-21312* #	US-PATENT-CLASS-74-519	c 03	N70-41954* #	US-PATENT-CLASS-75-63	c 15	N71-27184* #
US-PATENT-CLASS-73-81	c 14	N73-32321* #	US-PATENT-CLASS-74-519	c 05	N81-19087* #	US-PATENT-CLASS-75-65R	c 24	N77-27187* #
US-PATENT-CLASS-73-82	c 43	N79-25443* #	US-PATENT-CLASS-74-572	c 07	N78-33101* #	US-PATENT-CLASS-75-66	c 17	N71-26773* #
US-PATENT-CLASS-73-82	c 43	N80-14423* #	US-PATENT-CLASS-74-572	c 37	N79-10422* #	US-PATENT-CLASS-75-66	c 08	N73-13129* #
US-PATENT-CLASS-73-82	c 43	N80-23711* #	US-PATENT-CLASS-74-572	c 44	N79-14527* #	US-PATENT-CLASS-75-66	c 17	N73-28573* #
US-PATENT-CLASS-73-84	c 14	N71-22765* #	US-PATENT-CLASS-74-572	c 24	N81-29163* #	US-PATENT-CLASS-77 5AQ	c 27	N81-15104* #
US-PATENT-CLASS-73-84	c 14	N73-19420* #	US-PATENT-CLASS-74-588	c 37	N79-14382* #	US-PATENT-CLASS-77 5CH	c 27	N81-15104* #
US-PATENT-CLASS-73-84	c 35	N77-27367* #	US-PATENT-CLASS-74-594 6	c 37	N74-18127* #	US-PATENT-CLASS-78-1	c 15	N70-33330* #
US-PATENT-CLASS-73-85	c 14	N72-33377* #	US-PATENT-CLASS-74-594 7	c 37	N74-18127* #	US-PATENT-CLASS-788-704	c 38	N79-18307* #
US-PATENT-CLASS-73-861 65	c 02	N80-28300* #	US-PATENT-CLASS-74-63	c 15	N71-17692* #	US-PATENT-CLASS-8-DIG 12	c 27	N80-26446* #
US-PATENT-CLASS-73-861 66	c 02	N80-28300* #	US-PATENT-CLASS-74-661	c 37	N80-32716* #	US-PATENT-CLASS-8-DIG 18	c 27	N80-26446* #
US-PATENT-CLASS-73-861	c 34	N81-26402* #	US-PATENT-CLASS-74-665B	c 37	N76-15457* #	US-PATENT-CLASS-8-115 5	c 27	N80-26446* #
US-PATENT-CLASS-73-862 08	c 54	N82-26987* #	US-PATENT-CLASS-74-665C	c 37	N80-32716* #	US-PATENT-CLASS-8-150	c 09	N82-29330* #
US-PATENT-CLASS-73-86	c 14	N69-39975* #	US-PATENT-CLASS-74-674	c 37	N79-20377* #	US-PATENT-CLASS-8-3	c 51	N77-27677* #
US-PATENT-CLASS-73-86	c 33	N71-21586* #	US-PATENT-CLASS-74-675	c 37	N74-27901* #	US-PATENT-CLASS-8-94 11	c 51	N77-27677* #
US-PATENT-CLASS-73-86	c 33	N73-27796* #	US-PATENT-CLASS-74-705	c 37	N79-20377* #	US-PATENT-CLASS-8-94 12	c 18	N71-15545* #
US-PATENT-CLASS-73-86	c 34	N74-15652* #	US-PATENT-CLASS-74-710	c 37	N74-27901* #	US-PATENT-CLASS-81-119	c 37	N79-14383* #
US-PATENT-CLASS-73-88 5R	c 15	N72-17452* #	US-PATENT-CLASS-74-764	c 37	N79-20377* #	US-PATENT-CLASS-81-180B	c 37	N79-14383* #
US-PATENT-CLASS-73-88 5R	c 32	N73-26910* #	US-PATENT-CLASS-74-800	c 37	N78-17385* #	US-PATENT-CLASS-81-3R	c 15	N71-29133* #
US-PATENT-CLASS-73-88 5R	c 52	N74-27864* #	US-PATENT-CLASS-74-81	c 37	N78-16369* #	US-PATENT-CLASS-81-56	c 37	N76-20480* #
US-PATENT-CLASS-73-88 5R	c 35	N76-14430* #	US-PATENT-CLASS-74-820	c 37	N75-13266* #	US-PATENT-CLASS-81-57 31	c 37	N76-20480* #
US-PATENT-CLASS-73-88 5SD	c 33	N76-19338* #	US-PATENT-CLASS-74-83	c 37	N78-16369* #	US-PATENT-CLASS-81-57 38	c 15	N73-30457* #
US-PATENT-CLASS-73-88 5	c 14	N70-34705* #	US-PATENT-CLASS-74-89 15	c 15	N71-26635* #	US-PATENT-CLASS-81-63 1	c 15	N71-17805* #
US-PATENT-CLASS-73-88 5	c 14	N70-34799* #	US-PATENT-CLASS-74-89 15	c 15	N72-21462* #	US-PATENT-CLASS-81-9 5R	c 37	N79-10419* #
US-PATENT-CLASS-73-88 5	c 14	N71-17656* #	US-PATENT-CLASS-74-89 18	c 15	N71-23809* #	US-PATENT-CLASS-81-90B	c 37	N79-14383* #
US-PATENT-CLASS-73-88 5	c 14	N71-21091* #	US-PATENT-CLASS-74-89	c 37	N81-33483* #	US-PATENT-CLASS-82-1 2	c 3	

US-PATENT-CLASS-82-14	c 15	N71-22722*	US-PATENT-CLASS-82-24R	c 14	N72-16283* #	US-PATENT-CLASS-82-36R	c 37	N81-14319* #	US-PATENT-CLASS-83-152	c 76	N80-18951* #	US-PATENT-CLASS-83-451	c 37	N77-14478* #	US-PATENT-CLASS-83-452	c 39	N74-13131* #	US-PATENT-CLASS-83-467R	c 37	N77-14478* #	US-PATENT-CLASS-83-467	c 15	N71-22798* #	US-PATENT-CLASS-83-522	c 15	N72-27485* #	US-PATENT-CLASS-83-562	c 15	N72-27485* #	US-PATENT-CLASS-83-563	c 15	N72-27485* #	US-PATENT-CLASS-83-588	c 15	N72-27485* #	US-PATENT-CLASS-83-602	c 39	N74-13131* #	US-PATENT-CLASS-83-820	c 37	N80-29703* #	US-PATENT-CLASS-83-870	c 76	N80-18951* #	US-PATENT-CLASS-83-8	c 15	N72-27485* #	US-PATENT-CLASS-83-917	c 39	N74-13131* #	US-PATENT-CLASS-85-1	c 15	N72-22488* #	US-PATENT-CLASS-85-33	c 15	N71-15922* #	US-PATENT-CLASS-85-33	c 15	N71-21489* #	US-PATENT-CLASS-85-3	c 15	N71-17653* #	US-PATENT-CLASS-85-5B	c 15	N72-11385* #	US-PATENT-CLASS-85-7	c 15	N71-23254* #	US-PATENT-CLASS-859R	c 27	N81-15104* #	US-PATENT-CLASS-86-1R	c 28	N77-10213* #	US-PATENT-CLASS-86-1R	c 20	N77-17143* #	US-PATENT-CLASS-86-1	c 28	N71-26779* #	US-PATENT-CLASS-86-20 2	c 28	N71-26779* #	US-PATENT-CLASS-86-20R	c 20	N77-17143* #	US-PATENT-CLASS-88-14	c 14	N70-34298* #	US-PATENT-CLASS-88-14	c 14	N70-40003* #	US-PATENT-CLASS-88-14	c 14	N70-41946* #	US-PATENT-CLASS-88-14	c 14	N70-41955* #	US-PATENT-CLASS-88-14	c 09	N71-22999* #	US-PATENT-CLASS-88-16	c 14	N70-33254* #	US-PATENT-CLASS-88-1	c 21	N70-35427* #	US-PATENT-CLASS-88-1	c 21	N71-22880* #	US-PATENT-CLASS-88-24	c 23	N71-21882* #	US-PATENT-CLASS-89-1 5G	c 08	N82-32373* #	US-PATENT-CLASS-89-1 5	c 31	N71-15675* #	US-PATENT-CLASS-89-1 5	c 15	N71-24600* #	US-PATENT-CLASS-89-1 7	c 11	N70-38202* #	US-PATENT-CLASS-89-1 7	c 30	N70-40353* #	US-PATENT-CLASS-89-1 7	c 03	N71-12258* #	US-PATENT-CLASS-89-1 7	c 03	N71-12259* #	US-PATENT-CLASS-89-1 801	c 20	N76-22296* #	US-PATENT-CLASS-89-1 806	c 15	N71-24043* #	US-PATENT-CLASS-89-1 811	c 15	N72-17455* #	US-PATENT-CLASS-89-1	c 03	N70-34667* #	US-PATENT-CLASS-89-1	c 15	N71-16078* #	US-PATENT-CLASS-89-8	c 11	N71-18578* #	US-PATENT-CLASS-89-8	c 11	N73-32152* #	US-PATENT-CLASS-89-8	c 75	N76-14931* #	US-PATENT-CLASS-89-8	c 75	N76-17951* #	US-PATENT-CLASS-89-8	c 09	N79-21084* #	US-PATENT-CLASS-89-11A	c 02	N73-26006* #	US-PATENT-CLASS-89-11A	c 54	N74-14845* #	US-PATENT-CLASS-89-11A	c 05	N70-34857* #	US-PATENT-CLASS-89-2A	c 02	N73-26006* #	US-PATENT-CLASS-89-312	c 05	N71-22748* #	US-PATENT-CLASS-89-316	c 05	N70-36493* #	US-PATENT-CLASS-89-3	c 02	N73-26006* #	US-PATENT-CLASS-89-8	c 03	N70-36778* #	US-PATENT-CLASS-89-9	c 15	N71-24600* #	US-PATENT-CLASS-89-11	c 15	N71-33518* #	US-PATENT-CLASS-90-12 5	c 37	N74-25968* #	US-PATENT-CLASS-90-12	c 15	N71-22799* #	US-PATENT-CLASS-91-186	c 05	N73-32014* #	US-PATENT-CLASS-91-325	c 37	N81-32510* #	US-PATENT-CLASS-91-325	c 37	N81-32510* #	US-PATENT-CLASS-91-341R	c 15	N71-27754* #	US-PATENT-CLASS-91-361	c 15	N73-13466* #	US-PATENT-CLASS-91-363A	c 15	N71-27147* #	US-PATENT-CLASS-91-390	c 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US-PATENT-3,325,749	c 09	N71-28810* #	US-PATENT-3,359,132	c 09	N71-20705*	US-PATENT-3,388,258	c 14	N71-22996*
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US-PATENT-3,535,110	c 17	N71-15468*	US-PATENT-3,550,034	c 16	N71-24832*	US-PATENT-3,570,789	c 02	N71-27088*
US-PATENT-3,535,130	c 18	N71-15469*	US-PATENT-3,550,129	c 21	N71-24948*	US-PATENT-3,571,555	c 15	N71-27135*
US-PATENT-3,535,165	c 33	N71-15568*	US-PATENT-3,550,585	c 05	N71-24738*	US-PATENT-3,571,656	c 09	N71-27001*
US-PATENT-3,535,179	c 15	N71-17651*	US-PATENT-3,551,266	c 33	N71-24858*	US-PATENT-3,571,662	c 10	N71-27366*
US-PATENT-3,535,352	c 18	N71-15668*	US-PATENT-3,551,816	c 07	N71-24613*	US-PATENT-3,571,693	c 09	N71-27364*
US-PATENT-3,535,446	c 09	N71-12539* #	US-PATENT-3,551,831	c 33	N75-27251* #	US-PATENT-3,571,699	c 09	N71-27053*
US-PATENT-3,535,451	c 07	N71-11281* #	US-PATENT-3,552,124	c 28	N71-26642*	US-PATENT-3,571,700	c 14	N71-27325*
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US-PATENT-3,535,543	c 09	N71-13486* #	US-PATENT-3,553,002	c 18	N71-26100*	US-PATENT-3,571,800	c 10	N71-27272*
US-PATENT-3,535,547	c 09	N71-12520* #	US-PATENT-3,553,586	c 07	N71-26292*	US-PATENT-3,571,801	c 08	N71-27255*
US-PATENT-3,535,554	c 09	N71-12516* #	US-PATENT-3,553,704	c 10	N71-26142*	US-PATENT-3,572,089	c 14	N71-27185*
US-PATENT-3,535,560	c 08	N71-12494* #	US-PATENT-3,553,904	c 15	N71-26134*	US-PATENT-3,572,104	c 28	N71-27094*
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US-PATENT-3,535,570	c 15	N71-24696*	US-PATENT-3,554,647	c 23	N71-26206*	US-PATENT-3,572,610	c 28	N71-27095*
US-PATENT-3,535,586	c 25	N71-15562*	US-PATENT-3,554,806	c 03	N71-26084*	US-PATENT-3,572,935	c 14	N71-27215*
US-PATENT-3,535,602	c 09	N71-13522* #	US-PATENT-3,555,192	c 07	N71-26181*	US-PATENT-3,573,078	c 27	N82-29451* #
US-PATENT-3,535,642	c 08	N71-12503* #	US-PATENT-3,555,361	c 10	N71-26531*	US-PATENT-3,573,470	c 74	N78-33913* #
US-PATENT-3,535,644	c 09	N71-12519* #	US-PATENT-3,555,455	c 23	N71-26722*	US-PATENT-3,573,504	c 33	N78-17294* #
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US-PATENT-3,535,658	c 08	N71-12500* #	US-PATENT-3,555,867	c 15	N71-26148*	US-PATENT-3,573,797	c 08	N71-27057*
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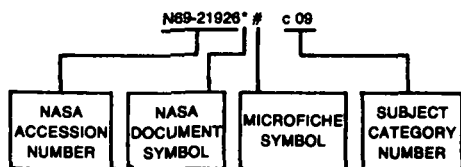
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